

CONNECTICUT INDUSTRY

DECEMBER • 1958

SPENCER TURBINE
PUTS AIR TO WORK

Page 6



**Shortest distance between
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A phone call**

BUT DO THEY KNOW YOUR NUMBER ?

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| ● ALL BUSINESS FORMS | ● LABELS |

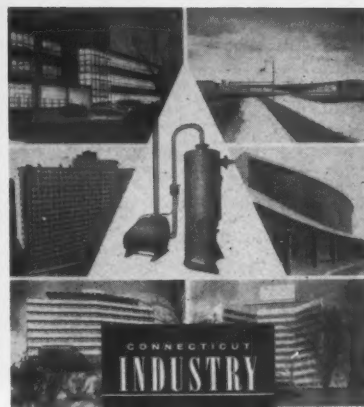
Print your telephone number wherever it'll help make it easier for your customers to reach you. If you have Teletype-writer exchange service (TWX), it's good business to print your TWX number, too.

THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY

CONNECTICUT INDUSTRY

DECEMBER • 1958

VOLUME 36 NUMBER 12



THIS MONTH'S cover photo shows modern buildings in which Spencer Turbine vacuum cleaning systems are installed. Clockwise, from top right, they are: West Ridge School, Greece, New York; Henry and Edsel Ford Auditorium, Detroit, Michigan; Rhode Island Hospital, Providence, Rhode Island; Edmonton City Hall, Alberta, Canada; Statler-Hilton, Dallas, Texas; and Library, Michigan State University, East Lansing, Michigan.

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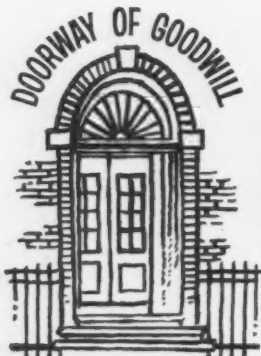
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We will be happy to furnish complete details. No obligation, of course. We are as near to you as your telephone.



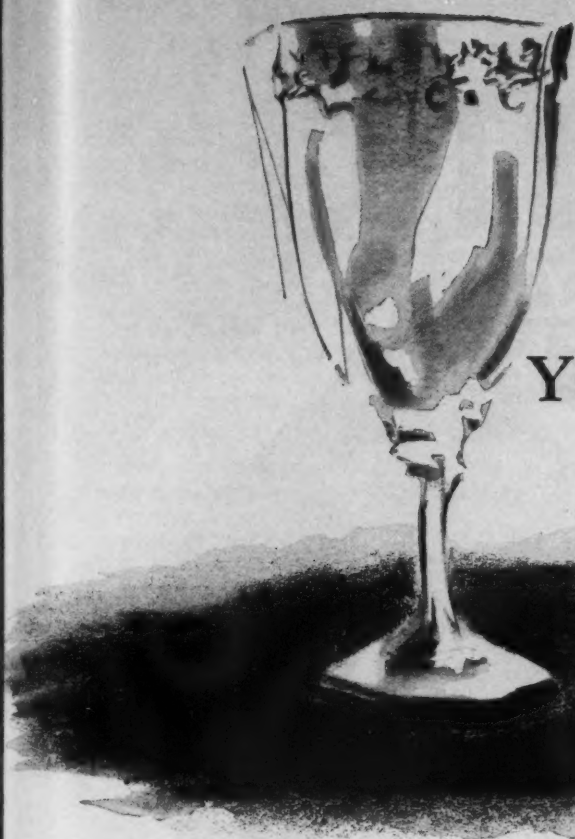
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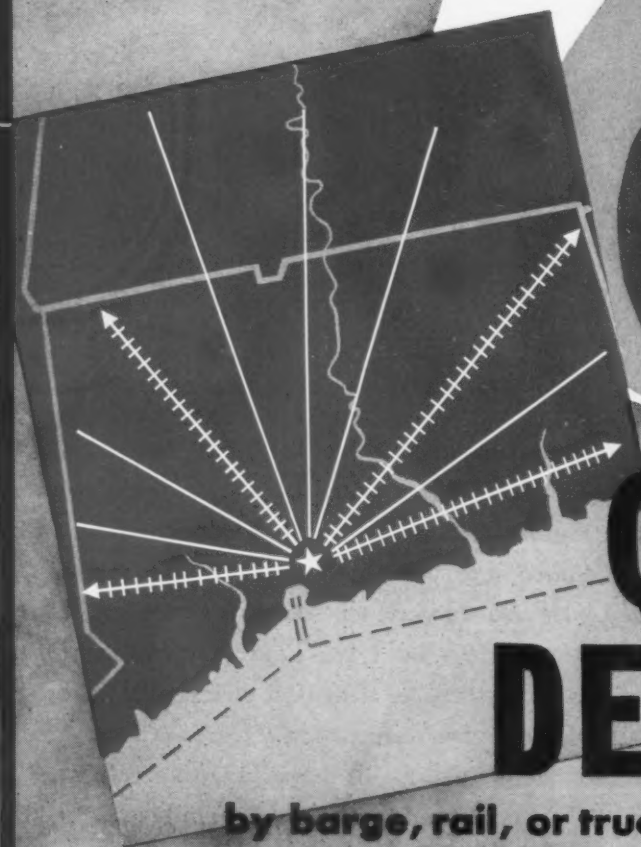
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HOPE FOR A TROUBLED WORLD

◆ NINETEEN hundred and fifty-eight years ago a ray of hope came into a troubled world with the birth of the Christ Child in a manger in Bethlehem, Judea, to cheer a long-suffering, captive people.

Thirty years later, the Christ Child, now known as Jesus of Nazareth, began his three-year ministry. Hailed as the long-expected earthly king who would lead His enslaved people from the heavy yoke of Caesar's tyranny, He spurned the enticing offer to sit on an earthly throne. Instead, He recruited twelve helpers—men of lowly estate—and went forth to create a revolutionary concept of justice and a new "sense of mission" in the hearts of men. Although His birth and life had fulfilled the prophecy of earlier Hebrew prophets, the nature of His leadership was at once misunderstood, disappointing and threatening to those who held power in His day.

By enthroning justice, born of love and respect for the freedom and dignity of human personality, He incurred the wrath of those who ruled by the philosophy of "might makes right." Unflinchingly, in spite of the threatening wrath of His powerful enemies, He traveled in enemy territory, healing the sick, comforting the sorrowing, forgiving those who sought to be forgiven for misdeeds and exhorting all of those within hearing of His voice to repent of their sins and forget their past self-indulgent ways in order to find true happiness on earth through service to their fellow men and an even more rewarding experience through eternity.

Skeptics scoffed at the impracticability of the teachings of Jesus during His three year earthly ministry. Failing to understand some condemned Him as a faker; others feared His mystical powers as a threat to their own power backed by force.

Many of today's scoffers are not unlike their earlier brethren, particularly the rulers of the Kremlin, who denounce Jesus as a faker while at the same time recognizing that the fruits of His philosophy are the only roadblocks that deter them from their cherished goal of world domination. Others in our midst, blinded by Scrooge-like lust for material possessions, point to the positions of power attained by gangster violence at home and abroad as proof that the teachings of the Nazarene are impractical dream stuff, out of tune with the times. Still others demonstrate their disbelief in Jesus' words, "It is more blessed to give than to receive," by giving as little of themselves as possible to their jobs while demanding an even higher return for their time on the job.

Admitting that the philosophy of Jesus has not, and is not likely to destroy completely man's proneness to follow evil ways, yet the accomplishments that have been made possible only because of the inspiration of that philosophy are so colossal that a recount of a few of them dwarfs the scoffers' negatives.

While the concept of One God as the creator of the Universe, including man and his inherent right to freedom with responsibility, is said to have been the vision of Abraham some 2,000 years prior to Christ's birth, it remained for Jesus, the teacher, to crystallize and dramatize Abraham's concept that had been kept alive by other prophets through the intervening centuries. Although accepting the Ten Commandments as divinely inspired rules for human conduct, He accentuated a positive rather than a negative approach to living by them through offering the new commandments

—"Love thy neighbor as thyself," "Do unto others as you would have them do unto you," and "Even as you do it unto the least of these you do it unto me." Thus He laid the foundation of intelligent self-interest and respect for human dignity which seventeen centuries later, for the first time in human history, was incorporated into a set of rules for the conduct of government. That set of rules, or guide posts for the natural release of man's creative powers, was the Constitution and the Bill of Rights of the United States.

Jesus, whose 1958th birthday we are about to celebrate, abhorred tyrannical rulers. He sought to release man's creative powers from their yoke with the power of ideas rather than by force of arms. Having observed the stifling of human initiative by a long line of kings who claimed to rule by Divine Right, the framers of our Constitution ventured to pattern the outlines of our civil government after the Hebrew-Christian philosophy as it was crystallized and augmented by the teachings of Jesus.

What have been some of the material results of adhering to a few of the ideals expressed in this philosophy?

For the first time in human history starvation was banished in this country. Millions more in other countries have been saved from this fate through American productivity and generosity.

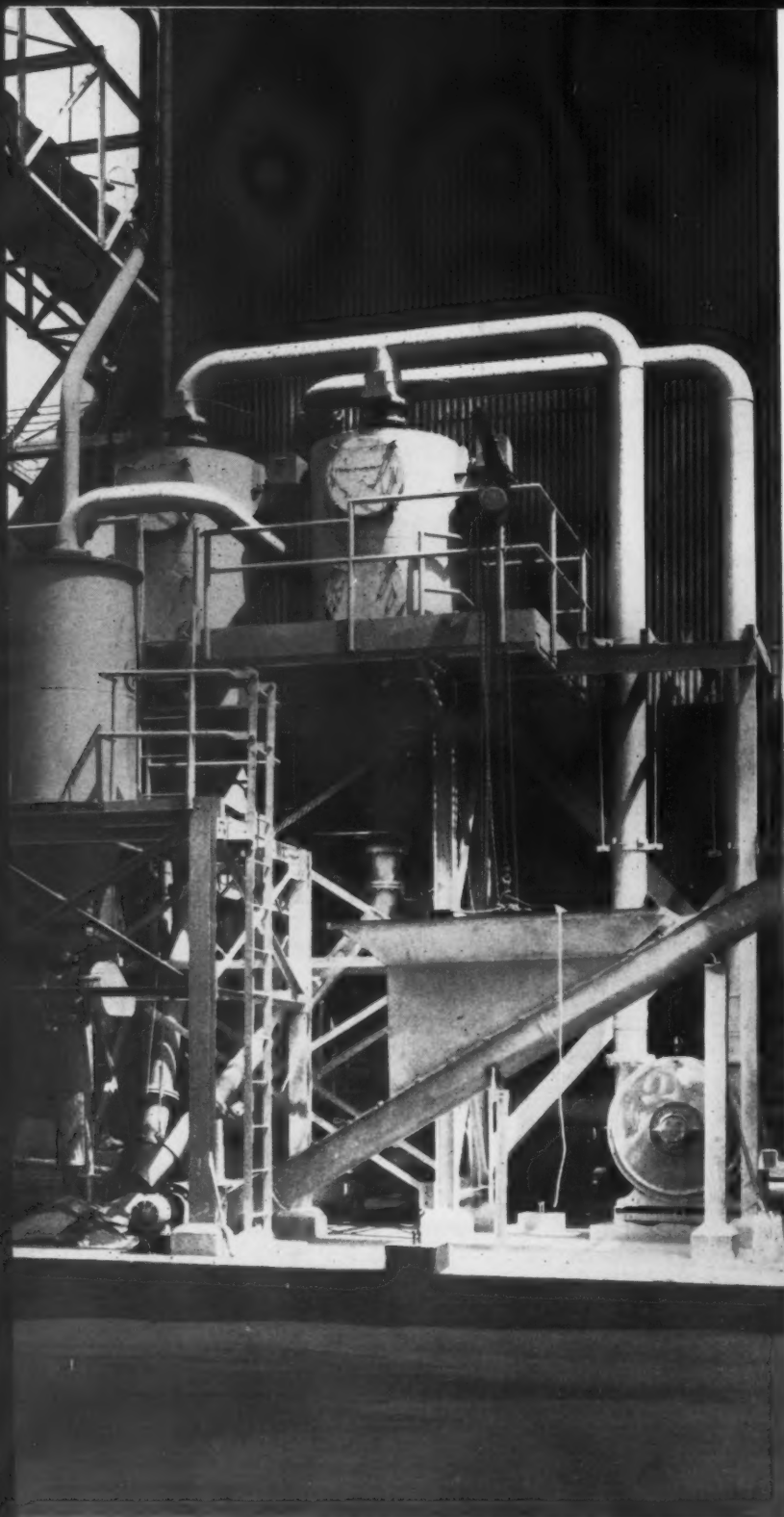
Our released energies turned to inventiveness that has lifted man's burdens from his back onto mechanical devices. Darkness has been conquered by man-made lighting systems. Modern heating and cooling systems have been developed to minimize the ravages of weather. In our attacks on space we have moved from the oxcart to jet planes in less than 200 years, and against time through the invention of the telegraph, telephone, radio and television in less than a century.

By our continuing conquest of disease we have relieved human suffering and increased the life expectancy of Americans by nearly 30 years during the past century. We have exported our ideas and equipment to all parts of the world for the improvement of man's material welfare. We have given and continue to give from our surplus uncounted billions of dollars worth of our goods—more than all other nations together—to relieve human suffering in all parts of the globe.

Our freedom to enterprise permitted under our Hebrew-Christian inspired Constitution has not only brought material blessings to mankind beyond the dreams of men even 150 years ago, but has also created an abundance of weapons to defend our freedoms and those of our allies from the attacks of enemy dictators.

As we approach the Christmas season let us give thanks to our Creator that we have been privileged to live in a country which has proved beyond valid doubt the power of the Christian philosophy to inspire miracles of human creativity. If the power of organized hate, centered in Moscow, threatens to dim this normally joyous season, or weakens our faith in the future, let us recall that the outlook was far bleaker when the Christ Child was born and throughout His 33 years of life, than for us today.

Let us be ever on guard to uphold those Christian principles built into our Constitution and Bill of Rights, for upon their retention lies the chief hope for a troubled world.



Dual use—this Spencer system at a large metals refining plant conveys dry, granular material over substantial distances and around bends that would frustrate any mechanical conveyor. When not in use for conveying, the system is utilized for vacuum cleaning areas within the plant.

True sanitation—the easy way. Spencer Vacuslot systems, (right) are popular in schools, hospitals and commercial buildings. Dirt and litter is whisked away through a piped system; dry mops are vacuum cleaned by passing back and forth across flush-mounted slot.

SPENCER PUTS AIR



TURBINE TO WORK

■ SOMEONE once said that man's innate dislike of work has fathered most of the world's inventions. Such may have been the case with young Ira Spencer, whose duty it was, way back in 1892, to pump the organ at Hartford's St. James church every Sunday. Deciding that there must be an easier and better way, he developed a small water motor—a pump whose force was derived from a water faucet. This efficient little mechanism became the first product manufactured by The Spencer Turbine Company, then known as The Spencer Motor Company and later called the Organ Power Company.

With the advent of electricity, the water motor was developed into an electrically powered unit, later trademarked "Orgoblo," which today is recommended and installed by most of the principal organ builders throughout the world. This product was followed in 1905 by the Turbine Vacuum Cleaner, now known as the Spencer Central Vacuum Cleaning System. In 1918 the Spencer Turbo-Compressor was introduced. As a result of the continuous development and growth in sales of these products, The Spencer Turbine Company is today the world's leading manufacturer of turbine type blowers and exhausters.

Early History

The company had its early beginnings in The Spencer Turbine Cleaner Company, organized in 1907. In 1918, The Organ Power Company and The Spencer Turbine Cleaner Company were merged to form The Spencer Turbine Company.

Because the history of The Spencer



Furnishing air to the "heart" of a foundry. At Connecticut Foundry, as in countless others throughout the country, a Spencer blower (right) assures reliable air delivery to the cupolas.

Turbine Company and its products is to a very large degree the history of its founder, Ira Hobart Spencer, no article can do justice to the company history without dwelling in some detail on the remarkable achievements of the man.

Long an acknowledged authority in the low pressure air engineering field, he was responsible for scores of inventions, not only of the machines themselves, but cleaning implements, separators and other auxiliary equipment. It should also be noted here that in the early days of the company's growth, Mr. Spencer was ably assisted in many ways by the financial and organizing genius of Arthur P. Day.

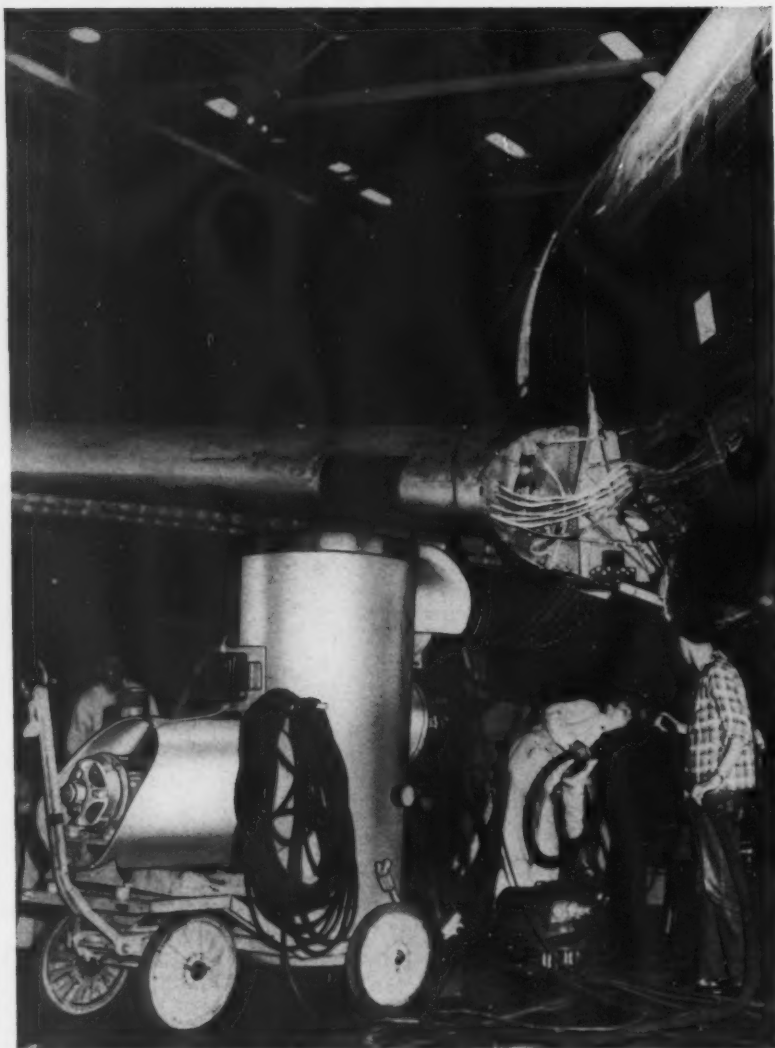
Mr. Day was chairman of the board of the Hartford Connecticut Bank & Trust Co., and served as director of many Connecticut companies. His career paralleled a period of great growth in the city of Hartford; he contributed extensively to it and for more than 50 years was identified with its business life and civic institutions. He joined Spencer in 1893 and became affiliated with the bank in 1898.

One of Mr. Spencer's most important contributions to the company's growth was his development in 1905 of the previously mentioned Spencer Central Vacuum Cleaning System, which incorporates the same principles of design as the "Orgoblo." But whereas the "Orgoblo" uses the exhaust end of the turbo-compressor for blowing, the suction end was put to work as a vacuum cleaner!

These vacuum cleaners, which account for practically 1/3 of Spencer's present volume, are now made in sizes up to 100 horsepower. They may be found in the world's largest and finest office buildings, theaters, hotels, schools and industrial plants. In these buildings the Spencer Central Vacuum Cleaner is a permanently installed, built-in vacuum cleaning system for collecting dust and dirt from all floor space, and conveying it through pipes to a separator and central receiver in the basement.

Homegard

An interesting modification of this system is the Spencer Homegard, for



Good housekeeping here saves lives. Leading aircraft manufacturers use Spencer industrial portable vacuum cleaners to pick up stray bolts, nuts, scraps of metal and shavings during assembly. This precaution guards against what could be drastic damage to delicate instruments and operating parts.

use in residences. Homegard permits housewives to enjoy the advantages of a central cleaning system. No lugging, pulling or pushing of heavy cleaning equipment is required. There are no cords to tangle or trip over, no dusty bags to empty. M'lady merely plugs in the lightweight hose at convenient inlets and whisks through her cleaning chores. No recirculation of dust or germs is possible, as all dust and litter passes through piping to the dirt separator in the cellar, garage or utility room.

Cleaning Problems Bring New Products

With the advent of composition floors, which are rapidly replacing carpeted floors, dry mopping has largely supplanted vacuuming in many new buildings. This trend, together with changing labor conditions, brought with it new cleaning problems. The

modern Vacuslot System was Spencer's answer, typical of the company's alertness and emphasis on staying abreast of the times. The Vacuslot system offers a complete housekeeping facility to schools, churches, office buildings, stores and many other businesses.

Vacuslot differs primarily from the Spencer Central Cleaning System in that inlets are provided on the floor of the building. Dirt and litter is mopped to these conveniently located slots and is automatically whisked away to the centrally located dirt receptacle. Vacuslot also enables the operator to clean dry mops, hand dusters, erasers, throw rugs, etc., at this suction inlet.

With the proper accessories, Vacuslot also performs such tasks as pick-up of accidental spillage or suds from scrubbing machines. By use of simple, plug-in attachments, the Vacuslot System can also be used for vacuuming

stairs, venetian blinds, walls, furniture and even hard-to-get-at boiler tubes. As with all use of vacuum, the Vacuslot System assures thorough cleaning and eliminates the spreading of germs or dust into the air.

The Spencer Portable Vacuum Cleaner, introduced in 1917, was a logical outgrowth of the central cleaning system. Today, it has become standard equipment for the smaller schools and buildings, stores, hospitals, office buildings, hotels, theaters, etc.—in fact, wherever provision was not made for a central system in the original design of the building. Extremely popular for industrial plant housekeeping, and available in sizes from 1½ to 25 horsepower, Spencer Portables are also in constant demand for a wide variety of unusual applications, including: cleaning of white rats' cages in experimental labs, removal of stray debris in airplane manufacturing, and removing hot sand and chips from brick kilns.

The Turbo Compressor Arrives

Another important milestone in the development of new products was the introduction in 1918 of the Spencer Turbo-Compressor. Designed primarily to move large volumes of air under low pressure, its simplicity of design and rugged dependability are typical of all Spencer products. Today, Spencer Turbo-Compressors (actually turbine-type blowers) have a multitude of applications which involve supplying air or a mixture of air and gas in industrial processing, chemical processes, making steel, heat treating furnaces, forge shops, and various other manufacturing processes.

Custom Manufactured Products

It is interesting to note that with the exception of certain portable vacuum cleaners, practically all Spencer products are custom-tailored to meet customer specifications. The wide variety of the applications of their four major lines: organ blowers, vacuum cleaners, turbo-compressors and gas boosters makes it difficult to build and ship machines out of stock. One can readily appreciate this problem, when it is realized that Spencer equipment ranges from ⅛ to 1000 horsepower and from 7" to 88" in diameter with wide variation in fan combination and discharge positions.

Simplicity of Basic Design

Throughout this product development and company growth two things stand out which are indicative of Ira Spencer the man and the company he founded. One is the fact that there is almost no difference in basic design between the early products and those being manufactured today. Of course,

the inevitable refinements and improvements through the years have played their part in helping The Spencer Turbine Company maintain its position as a leader in its industry. Yet the fact remains that the results of Ira Spencer's mechanical genius are still standards for the vacuum cleaning industry.

The other significant fact is the simplicity of design and the sturdiness of construction which have always been an integral part of all Spencer products. With the exception of the impellers in the blowers and exhausters, there are virtually no moving parts to get out of order. Other outstanding features are such structural details as sugar scoop design (which permits easy access to the motor) and exceptional quietness of operation. Each piece of equipment is built by experienced craftsmen to insure continuous, trouble-free service under the most extreme conditions. The result has been an outstanding company reputation for reliable, top-quality products.

Loyal Employees and Benefits

Keenly aware of the part played by its employees in maintaining these rigid product standards, The Spencer Turbine Company has long enjoyed their loyalty and pride in their company. There are more than 40 employees who proudly claim membership in the "over 30" club.

In addition to the customary benefits such as paid holidays, paid vacations, contributions toward Blue Cross payments, etc., The Spencer Turbine Company has a Production Bonus Plan (initiated in 1945), and offers a company-sponsored life insurance plan covering all employees. As an additional means of providing security benefits to its employees, a pension plan to provide retirement income has also been in effect since 1943.

Sales are World-Wide

Spencer Turbine products are sold throughout the world, and are serviced in the domestic market by sales representatives located in all major cities in the country. Primarily an engineering organization, building to customer specifications, Spencer Turbine maintains a complete engineering service department ready to help solve vacuum cleaning and air delivery problems for its many customers.

A solid, old line New England company, Spencer Turbine's forward looking management team is dedicated to maintaining the company's position in its field. Toward this end a constant program of research, product development and cultivation of new markets are major components of the company's forward-looking philosophy.



Built-in cleaning convenience. No lugging of bulky equipment or tripping over tangled electric cords, and no recirculation of dust back into the room. The Spencer "Homegard," an installed vacuum cleaning system, provides quick cleaning, sure sanitation.



"Cleanest rooms in the world." This is the description which has been applied to these final inspection and assembly areas at Fafnir Bearing Co., New Britain. A Spencer vacuum cleaning system played an important part in earning the title.



Crowds packed the Connecticut Building for nine days of the 1958 exposition.

Report f

By HUGO T. SAGLIO
Connecticut Development Commission



Do-It-Yourself Stanley Tools appeal to both men and women.



Dardick's display of a gun with interchangeable barrels holds the interest of spectators.



Trains of any size attract boys and girls of all ages at A. C. Gilbert Co. display.



Audience participation made Gray exhibit a favorite spot in Connecticut building.



Ronson Corporation established direct contact with visitors by its offer to service lighters.



Electronic mechanism of Dictaphone Time-Master holds attention of mechanically-bent young men.



Youth gets a new view of things through optical equipment exhibited by Criterion Company.

ort from the Exposition

■ IF any one big regional event marks the transition from summer to autumn in New England, a lot of people will cast their vote for Eastern States Exposition where a sample of practically everything that is New England burgeons forth for nine days on the big exposition grounds. This year was no exception. The vast event opened, and it closed, but between those two episodes, thousands of people experienced something.

Looking back from this vantage point in time, a few facts stand out. Not the least of them is the fact that for the second time in the nearly 40-year history of the exposition, more

than half a million persons passed through the gates of the fairgrounds to look into the Show Window of the East. (The remarkable thing is that this attendance was accomplished in weather that was either too hot for comfort or downright wet.) The people looked and apparently, they liked what they saw.

Connecticut Exhibits Pay Off

The Connecticut Building, which Connecticut industry had helped to build on the Avenue of States, was again a favorite attraction visited by more than 80% (over 400,000) of the entire exposition's attendance. Quite appropriately what the people saw this year was a better-than-ever cross-section of Connecticut's manufactured products running all the way from cigarette lighters to atomic submarines. In all, thirteen Connecticut manufacturers had set up their exhibits in the state-owned building to carry the story of the state's industrial diversification to the interested spectators from the entire northeast. And here, another fact emerges.

With 13 manufacturers exhibiting on the same floor, the visitors to the Connecticut Building did not get the impression that they were attending strictly a display of manufactured products being offered for sale. To be sure, there were non-industrial exhibits that definitely contributed to the overall impression—the center garden of Bristol Nurseries, the wildlife in the exhibit of the Board of Fisheries and Game, the Connecticut produce in the colorful booth of the Department of Agriculture, and the fragrant baked goods being decorated at the display of the Connecticut Bakers Association—but the manufacturers themselves can take credit for the major part of the overall impression that was created. They had appraised in advanced the opportunity to meet face to face with more than 400,000 persons—many of whom would be potential customers—and they were not perfunctory about their exhibits. By now, it is known from the statements of some of the exhibitors themselves that the imagination that went into their exhibits, is paying off.

Boost for Optical Equipment

It is paying off for Criterion Company of Hartford. Hard-working John and Mike Krewalk, whose small company is doing a nation-wide business in fine optical equipment, are the first to admit that "Most people had never heard of Criterion." A main feature of their exhibit was a telescope, which revealed, as clearly legible, a message on the high ceiling invisible to the naked eye. More than a month later, when this article was being prepared, Criterion was still receiving inquiries and orders both as a result of the exhibit in the Connecticut Building.

Education and Sense of Pride

Electric Boat Division of General Dynamics Corporation sold no atomic subs directly as a result of its participation in the exposition but it did accomplish two major achievements in public relations. Well-informed attendants at the exhibit, which featured scale models of the atomic subs already in operation and oxygen-producing algae, answered literally hundreds of inquiries inspired by two of the big (atomic submarine) news stories of 1958. The company also created a sense of pride among its workers and workers' families that was unmistakable to anyone that paused to overhear their eager comments at the Electric Boat display.

Knox Glass, a newcomer to Connecticut's industrial scene, presented a gleaming display of familiar products, visible and attractive in glass, containers, and the point of visibility was not missed by the family shopper, as she paused by the thousands to make mental notes on each product.

Sharpening Appetites For Dictating Equipment

In the field of dictating equipment, Connecticut really put its best feet forward—all three of them, in fact—Dictaphone Corporation, SoundScriber Corporation and Gray Manufacturing Company. Aside from the immediate leads, handled by local distributors, the long-range impact of these three exhibits can trickle in for months, even years. Among half a million persons, visiting an exposition that is versatile in its emphasis, there are bound to be hundreds of both stenographers and bosses, and when the present "piece of junk" is replaced with a brand new piece of modern dictating equipment next year, it just might be that a demonstration in the Connecticut Building this year will be coming home to roost.

Springboard for New Products

Cuno Engineering Corporation of
(Continued on page 32)



Cuno representative explains new principle of water filtration to a high school youth.



SoundScriber representative explains revolutionary new 200B which "lets you dictate anywhere."

Taxes on Advertising- A Sword of Damocles

By SHERMAN R. KNAPP, President
Connecticut Light & Power Co.

Editor's Note—"Government by bureaucratic rule" poses a serious threat to American freedoms comparable with the subtle intrigue of communist agents. These rules strike one important industry, without benefit of publicity, and before the courts have the opportunity to decide upon the constitutionality of them, fear kills the placement of potential business by the affected industry which, in turn, sets off a chain reaction injurious to other industries. Until the issue on the ruling discussed in this article is decided, and perhaps afterwards, "the tax deductibility of all advertising in which business tells its own story, hangs overhead like the sword of Damocles whose thread can be snapped by any Washington whim." Worse still, if the courts should decide in favor of the ruling of the Internal Revenue Department, it is only a short step to the passage of legislation that will prohibit any business from telling its story.



Sherman R. Knapp



How the atom is putting new shapes on the horizon

In a few years, shapes like these on the horizon may well be trademarks of the atomic age. Trademarks of the atom at peaceful work—producing electricity for the nation's homes, farms, factories and businesses.

Already, America's independent electric companies are participating in building three big

commercial atomic-electric power plants. Four more such plants are under way. All told, more than 300 million dollars from the electric companies will be involved, and hundreds of electric company engineers and scientists are pressing research into all aspects of this vast new field.

There is much still to be learned about making the atom work efficiently and economically for you. And the experience, ingenuity and inven-

tiveness of the independent electric companies are at work with other industries and with the Atomic Energy Commission to find the answers.

America's electric light and power companies have brought electricity to almost every corner of the U. S. in the span of a single lifetime. You can be sure they will help develop the atom's promise so that this nation will continue to have the best and the most electric service in the world.

AMERICA'S INDEPENDENT ELECTRIC LIGHT AND POWER COMPANIES*

*Names on request from this magazine

■ LAST February the Internal Revenue Service ruled that the national advertising program conducted by a group of electric utilities in 1956 was completely non-deductible as a business expense.

This ruling was made under Section 1.162-15 (c) of the Internal Revenue Code, which provides that expenditures for lobbying purposes, for the promotion or defeat of legislation and for political purposes are not deductible from gross income.

This regulation has been on the books for years. It has been applied and accepted in its literal interpretation for years. But the broad interpretation of the regulation to disallow expenditures for activities that might at some indefinite time affect some indefinite legislation had never before been used.

In short, this regulation can be used as a sword of Damocles.

It is not difficult to understand why this sword of Damocles has fallen on the electric utilities' national advertising program. A brief review of its history brings out the reason clearly.

This advertising program was begun in the closing months of 1941 by some 52 independent electric light and pow-

This article is being reprinted from a recent issue of INVESTMENT DIGEST by permission of the publisher.

er companies throughout the country. The purpose of the program was then, as it is now, to use national advertising to tell customers and the general public about their role as regulated tax-paying business organizations in a system of free enterprise. This, naturally, includes their services, their accomplishments, and their competition, especially the nature of their competition from Government-owned or sponsored services.

Program's Aims Told

Successfully executed, this advertising program helps to foster sympathetic public opinion for investor-owned utilities to the end that they can maintain a competitive position, attract new capital for growth and continue an adequate service in their respective areas.

In 1941 and 1942 this advertising program was limited to magazine advertising. Network radio was also used from 1943 until 1953, and network television was used from 1952 to 1955. Magazine advertising, however, has been used throughout the 17 years this program has been running. The number of companies contributing to it now stands at 120.

A number of subjects has been discussed in this advertising. One has been the relatively low cost of electricity and its increasing value in modern living. Another has been the broad ownership of the independent electric companies, with stockholders throughout the country investing in their future. Service, growth and citizenship have also been discussed in this advertising, and lately attention has been devoted to the generation of electricity from atomic power.

This advertising has also discussed the nature of the competition the electric companies face from Federal power projects. It has pointed out that there are major inequalities in the operation of so-called public and investor-owned power systems, particularly in the areas of taxes and cost of capital. These are facts, not fancies. They may be explained, but they cannot be contradicted.

The very real nature of this competition is shown by just two figures. In 1932, less than 7% of the electric power in this country was produced or sold by Government-owned or Government-financed agencies. In 1956, more than 24% of the nation's power came from Government-owned or Government-financed systems.

Opposition Through The Years

There has been opposition to this national advertising program through the years. In 1952, for instance, both President Harry S. Truman and the

Socialist leader, Norman Thomas, publicly denounced specific advertisements by the electric companies. The National Rural Electric Cooperatives Association has consistently charged that the advertising is "false and misleading propaganda."

On the other hand, the program has also been praised. In five years between 1950 and 1957, for instance, the Freedoms Foundations gave Americana Awards to the program for its part in creating "a better understanding of our great fundamental American traditions."

More important than either, however, are the indications that this advertising program has helped to change public opinion toward the investor-owned utilities. Biennial surveys made by an independent research organization since 1943 show that the

majority of the public no longer believes in such products of misinformation as "power trusts," "gouging rates," and "the public be damned."

Furthermore, these surveys show that opinion favoring some form of Government ownership of electric utilities is diminishing. In 1943, 52% of the public favored Government ownership, while only 37% expressed such a preference in 1957. During the same period, the percentage of the public favoring business ownership rose from 41 to 56. This swing of 15% of the public apparently bothers public power advocates.

In April of 1957, Senator Estes Kefauver (D., Tenn.) made a statement about this advertising program on the floor of the Senate. Expressing

(Continued on page 28)



Modern family minus electricity

What would you do without low-price electricity in your home? Well—you could use candles. And build fires. And substitute elbow-grease for all the jobs electricity does automatically. If you did, you would be reminded quickly—and forcefully—how much electricity does for so little cost.

Electricity is the biggest bargain in your family budget. What else gives you such value in comfort, health, ease and fun?

Keeping electricity high in usefulness, low in price is the main job of America's Independent Electric Light and Power Companies.*

*Names on request from this magazine

The Railroad's Wasteful Wages

By JOHN B. HEDGES

Traffic and Export Manager,
Manufacturers Association
of Connecticut Inc.

■ FOR the railroad industry, 1958 has been a rough year. True, carloadings are moving upward again and the 85th Congress gave the nation's railroads some legislative relief, but this was generally a year of losses in net income. Nor are they looking forward too optimistically to 1959, for then they must renegotiate most of their agreements with the powerful railroad brotherhoods. The impact of these negotiations on the railroads, and thus on the national economy, has extremely serious implications. It might be both enlightening and alarming for the railroad patrons and investors to pick up a few facts about the railroad labor problem today.

Antiquated Rules Railroad Headache

Most of the essentially craft-based brotherhoods were formed in the 1880's and 1890's, back in the days of the expanding railroad empire. Undoubtedly there were abuses that motivated their organization. Over the years, the railroad brotherhoods, for the most part, have been regarded as benevolent and conservative groups in that they tended to go their own way relatively unaffected by radical notions or great political ambitions. But, today it would be hard to find an employee group which resists more bitterly and successfully technological progress, which clings more fiercely to archaic practices and work patterns. Although the general public associates the term "feather-bedding" with railroad labor, it is not always too sure just what feather-bedding is. Actually, it is the end result of complex working rules with many local variations, strict seniority, rigid specialization and consequent low productivity per man hour as measured against any other industry. It is payment for work not performed, maintenance of jobs not needed. In this light it is somewhat ironic to observe that there are almost 500,000 fewer railroad employees than there were ten years ago.

Regulation and Ignorance

How did the railroad industry get into its present labor situation? Part of



JOHN B. HEDGES

the answer lies in the fact that railroads are regulated as public utilities. A year after the passage of the Interstate Commerce Act, Congress passed a bill providing for voluntary arbitration of railway labor disputes. The principle of arbitration was further strengthened in the Erdman Act in 1898 which for the first time inaugurated the policy of government mediation and conciliation of labor disputes on the railroads. In 1913, further legislation was drafted creating a permanent Board of Mediation. Under the provisions of this type of legislation the brotherhoods had greatly increased their bargaining power by concerted action over wide territories. They pressed for an eight hour day which was set up by the Adamson Act, passed in 1916 under threat of a nationwide strike. Undoubtedly, the brotherhoods achieved their greatest organizational growth during the period of federal control, 1917 to 1920. The Transportation Act of 1920 returned the railroads to private ownership and spelled out a far more detailed and complete regulatory system for railway labor with the establishment of regional adjustment boards and a national mediation board. We must bear in mind that in 1920 the railroads still had a practical monopoly of surface transportation. Truck competition was still far in the future.

At that time railroad management was not under any great competitive pressure to hold wage costs rigidly in line. Then, too, the complex, slowly moving machinery of the adjustment boards which dealt with working rules

disputes made any sort of a firm labor policy difficult. Many of the referees in such disputes were college professors who had no practical railroad background. Thus make-work rules grew up. Precedents were established in one territory and applied in another. The result served not only to sadly handicap managerial discretion but has also increased the difficulties of railroad management in settling anything directly with the brotherhoods, since the unions had found the professorial referees generally favorable to their causes. Consequently the unions took most issues through to mediation.

In most industries employee organizations seek recognition, bargaining status, favorable working conditions, seniority provisions, job security and pay increments. Nowhere has this search been carried on so successfully and with so little thought for long term results, with so little regard for the welfare of the employer and his capacity to continue in business at a level which can guarantee employment for the future, as it has by the railroad brotherhoods. Let us look at a few manifestations of these policies and practices.

Pay for Non-Existent Work

One of the great technological changes of the last two decades in railroading has been the replacement of the steam locomotive by the diesel. The once familiar roundhouse, the water tank, and the coal-heaped tender have largely disappeared. But the fireman who fueled the iron horse has not departed from the scene, although the need for his services has ceased. He still gets paid for riding in the cab. In Canada, a Royal Commission was appointed to investigate this particular payroll drain on the Canadian railroads. It found that the fireman was superfluous, that his presence in the cab was not required for either safety or efficient operation. But the present working rules say that he is part of the crew and that his job cannot be abolished even though his duties have ceased to exist.

Two to Four Days' Pay For One Day's Work

Let us see for a moment just what the work day for a fireman or any other member of an operating crew is. Forty or fifty years ago, 12½ miles an hour

(Continued on page 26)

News Forum

This department includes a digest of news and comment about Connecticut industry of interest to management and others desiring to follow industrial news and trends.

♦ HARVEY L. SPAUNBURG has been elected chairman of the board and Wilbur C. Stauble president of Veeder-Root, Incorporated, Hartford. Andrew J. Rebmann, vice president and secretary, was elected to the board.

Mr. Spaunburg, vice president of MAC, has been president of Veeder-Root since March 1954. He succeeds John H. Chaplin who died recently. Mr. Stauble has been president of The Holo-Krome Screw Corporation, a wholly-owned subsidiary of Veeder-Root, and will continue in this position while assuming the presidency of the parent company. Arthur E. Kallinich, vice president of Veeder-Root, was appointed to the board of Holo-Krome to fill Mr. Chaplin's unexpired term.

Veeder-Root manufactures computers and counting instruments, and Holo-Krome makes socket-screw products and allied lines.

Mr. Spaunburg has been with the company for thirty-nine years. He began as foreman of The Root Company in Bristol in 1919, and moved up to superintendent. When that company and the Veeder Manufacturing Company were merged in 1929, he became chief engineer. Later, he was promoted to factory manager, secretary, vice president, and in 1950 was elected executive vice president.

Mr. Stauble was one of the founders of Holo-Krome in 1929. He was vice president at that time and since has moved up to executive vice president, and in 1952 was elected president. In the same year he was elected to the board of directors of Veeder-Root.

Mr. Rebmann was elected vice president and secretary of Veeder-Root in 1954, and has been with the company since 1936 when he began work as a junior accountant.

Mr. Kallinich has been on the Veeder-Root board since 1952 and was elected vice president in 1947. He has been with the company for 46 years and is in charge of catalog sales.

♦ PRODUCTION FACILITIES were formally opened recently for New England's newest industry as Governor Abraham Ribicoff threw a switch directing 2,800-degree molten glass into a forming machine at the new plant of Knox Glass Incorporated, Dayville.

Production at the new plant will include bottles, jars and other types of glass containers for use by food, beverage, cosmetic, drug and chemical plants with processing facilities in New England.

Employment will total approximately 225 men and women during the first few months of operation. It is estimated that the first annual payroll will exceed \$750,000.

♦ FOR SPRING PROBLEMS involving high loads in limited space, Belleville washers in the most used sizes are now available from stock from the Divisions of Associated Spring Corporation, Bristol. They are said to be designed to give the best economy of space combined with the highest load and greatest deflection possible at a given stress level.

The washers are made in two different thicknesses of stock in each of seven diameters ranging from 0.375 to 1.500 in O.D. and 0.190 to 0.755 in I.D. Load range for single units covers 30 to 1,200 pounds. The sizes selected to be carried in stock are those that meet the requirements for the majority of current applications for Belleville washers. Residual stresses are introduced during manufacture so the washers can be compressed to the flat position and released without loss of free cone height in spite of the high apparent stress.

♦ A NEW HELICOPTER, incorporating such features as twin gas turbine power, a flying boat hull and all-weather flight capabilities, is being developed for the U. S. Navy by Sikorsky Aircraft, division of United Aircraft Corporation.

The ship will be used for anti-submarine warfare. It represents a substantial advance over the present ASW helicopter. Because anti-submarine missions require long periods of low altitude hovering and overwater flight, the aircraft has been designed to alight on the water. Its universal landing gear is formed by a seaplane hull bottom, two pontoons which serve as fairings for the dual landing wheels and into which the wheels retract, and a fixed tail wheel.

ANDERSON-NICHOLS *Company*

150 CAUSEWAY STREET, BOSTON 14, MASSACHUSETTS

ARCHITECTURAL • MECHANICAL • INDUSTRIAL • PROCESS • MANAGEMENT
MATERIALS HANDLING

A Coordinated Technical Service to Management

ERNEST W. NEWMAN

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ALLEN RUSSELL & ALLEN

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Over 50 Years of Service to
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HARTFORD

Special

...the best buy in the long run

AUTOMATIC DRILLING & TAPPING

MACHINES

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"SUPER-SPACERS"

AIR HYDRAULIC DRILL UNITS

GENERAL CONTRACT MACHINE WORK

THE HARTFORD SPECIAL MACHINERY CO.
HARTFORD 17, CONNECTICUT

RUDDER Window Cleaning, Inc.

Window Cleaning
Light Fixture Cleaning
Vacuum Cleaning
General Cleaning

*One of Connecticut's largest
cleaning companies covering
the State*

28 Sterling St. Hartford
JA 7-3171

◆ **CONSOLIDATED Controls Corp.**, Bethel, has announced the receipt of an order of over \$800,000 on a competitive final price basis from Westinghouse Electric Corporation, Pittsburgh, covering instrumentation for an undisclosed number of nuclear powered submarines.

The nuclear propulsion plants for these submarines were designed and developed under the direction of and in technical cooperation with the Naval Reactors Branch, U.S. Atomic Energy Commission, at the AEC's Bettis, Pa. plant.

J. F. Engelberger, president of Consolidated Controls Corp. stated that his firm is making a strong bid for an important role in the field of reactor plant control instrumentation systems. In support of this effort, plant facilities are being increased for expansion of development laboratories as well as for stepping up production capacity.

◆ **ELECTRIC UTILITIES** in Connecticut are cooperating in a five-year research project seeking ways to control growth of trees without impairing their health or appearance.

Carrying out the research will be the Battelle Memorial Institute of Columbus, Ohio, under the sponsorship of the Edison Electric Institute, an organization of independent electric light and power companies.

The Connecticut companies supporting the project are: United Illuminating Company, Connecticut Light and Power Company and Hartford Electric Light Company.

Maintenance of adequate tree clearance on pole lines is a problem affecting property owners and faced by every electric utility company in providing continuous electric service. Trees cause most of the service interruptions during storms. The research project will seek an answer to the problem through study of the synthesis, development and application of plant growth-regulating chemicals. Researchers hope to develop a treatment that will reduce the frequency of tree pruning to maintain clearance for electric lines. This would mean improved health and appearance for trees along streets and highways and also offer savings to utility companies through reduction of pruning operations and better service continuity.

◆ **FOR THE THIRD** successive year, The Stanley Works of New Britain, manufacturer of hand tools and builders' hardware, will sponsor an essay contest for the senior class of New Britain High School on "The Role of Industry in the Development of America." Four cash prizes totaling \$1,100 will again be awarded.

Designers and Manufacturers

of Tools, Dies, Jigs, Fixtures and Gages

Jig Boring and Jig Grinding
Precision Form Grinding
Planing, Boring, Turning
Cincinnati, Lucas and Bullard
Machines

We build Special Machinery
and Parts

Welded Fabrications

We will do your Stampings and
Spot Welding

Progressive — Swedging

Broaching — Drawing

Short Runs — Long Runs

THE
SWAN TOOL & MACHINE CO.

30 Bartholomew Avenue
HARTFORD 6, CONNECTICUT

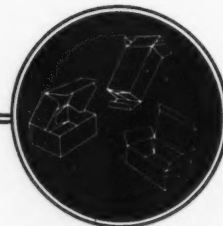
Polyethylene Film MAKES IDEAL MACHINERY COVERS

for shipping & storage. As distributors for Koppers Company we maintain a large warehouse stock in 100 ft. rolls, widths 3 ft. to 40 ft.

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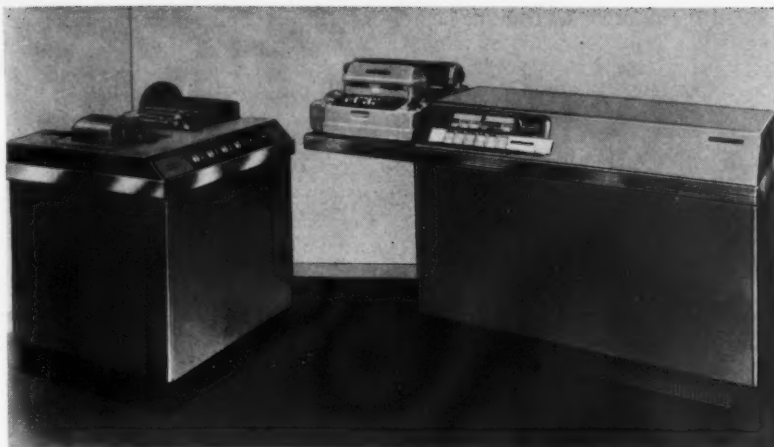
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PAPER BOXES

FOLDING • BRIGHTWOOD
and
SET UP

H. J. MILLS, INC.
ESTABLISHED 1887
BRISTOL • CONNECTICUT



New high-speed Reader-Punch unit (shown at left of computer) was especially designed to complement the operation of the LGP-30 electronic computer.

Student papers will be prepared under the supervision of a committee of teachers headed by Miss Dorothy Quigley of the Social Studies department and judged by a committee consisting of Emerson H. Burr, Stanley treasurer, who will serve as chairman; Prof. Walter B. Fulghum, of the English department of the State Teachers College located in New Britain; and Arthur E. McEvoy, managing editor

emeritus of the New Britain Herald.

To aid the students more than 500 companies in all parts of the country have been invited to contribute to a shelf of industrial history and other source material in the school library.

◆ ANNOUNCEMENT of a new auxiliary input-output system as optional equipment for the LGP-30 electronic computer has been announced



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403 Fulton National Bank Building
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ADMINISTRATION.**

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SIMPLIFIED BONUS SYSTEMS

**PERSONNEL SELECTION &
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Reduce your recruiting expenses 50%
or more.

We maintain a constant search
for special talent and secure qual-
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*"My presents came in a
JACK WITTSTEIN BOX"*



JACK WITTSTEIN

Box 1348, 56 Church Street
New Haven 5, Conn. MAin 4-5121

**Corrugated and Solid Fibre Boxes
Merchandising Displays**

by The Royal McBee Corporation. Designed for applications that involve a large quantity of data to be processed, the new equipment is available as a combination high-speed punched paper tape Reader and Punch, or as a Reader alone, and is housed in an attractive console that matches the computer.

The Model 341 Reader operates on a photo-electric principle and is capable of reading punched paper tape at a rate of 200 characters a second. The

Model 342 incorporates both the high-speed Reader and a high-speed motorized paper tape Punch in the same unit. The Punch operates at a speed of 20 characters a second.

◆ A MESTA FOUR-HIGH rolling mill has just been purchased by the Seymour Manufacturing Company, Seymour, and has now been installed, according to an announcement by George T. Hubbell, president of the firm.

The new mill will permit more uniform gauge control on all sizes of stock up to .400", thus providing fabricators with the highest quality material obtainable. It will also allow greater utilization of Seymour's Sendzimir reversing mill and facilitate the expansion of the firm's line of products.

Acquisition of the new mill is the latest step in the company's extensive expansion and improvement program originated in recent months to provide better service, improved quality, and a wider range of products for Seymour's present and future customers. The firm has been a leader in the non-ferrous strip, rod and wire manufacturing field since 1878, and is particularly well known for its nickel silver, phosphor bronze, and brass materials.

CMS...

Extends its best wishes
to all of Connecticut for
a Happy Holiday Season

Merry Christmas
and
a Happy New Year

The Blue Shield Plan



for Connecticut

CONNECTICUT MEDICAL SERVICE, INC.

SPONSORED BY THE CONNECTICUT STATE MEDICAL SOCIETY
GENERAL OFFICES • NEW HAVEN

◆ **POSITIVE FILTRATION** in the micron range, conservatively rated for removal of particles .0015 inches (40 micron) in size, is now available with a new all-metal, edge-type filter cartridge, designed and produced by the Cuno Engineering Corporation of Meriden.

Especially adaptable for lubrication, hydraulic and fuel applications, the new filter is said to assure a fine degree of filtration plus high flow capacity. A typical filter, measuring only 4 inches face to face, handles in excess of 7½ GPM of 50 SSU fluid at 2 psi drop.

◆ **FORMATION** of United Research Corporation to sponsor and support basic research in fields pertinent to its interests has been announced by United Aircraft Corporation.

As its initial assignment, the new corporation will support research in advanced propellants for missile and space craft in cooperation with the Stanford Research Institute. The Institute is affiliated with Stanford University and operates as an independent, non-profit research organization.

Lieutenant General Donald L. Putt, who was Deputy Chief of Staff, Development, Headquarters, United States Air Force, prior to his retirement last summer, has been elected president of the new corporation, a subsidiary of United Aircraft.

William P. Gwinn, president of the United Aircraft Corporation and chairman of the subsidiary corporation, said that the arrangement with the Stanford Research Institute is only the first of several similar specific agreements being planned with appropriate research institutions. He emphasized that the primary purpose in each case will be to accelerate and enlarge basic research in fields germane to United Aircraft's operations in missiles and space systems development.

◆ A SERIES of newly available information bulletins on barrel and rack chromium plating of small parts has been prepared for free distribution by Whyco Chromium Company, Inc., Thomaston.

Included in the series is an illustrated bulletin on the firm's services and facilities; and technical progress reports called "Whyco News." The latter is planned to be a regularly published report, suitable for the idea files of those responsible for buying metal finishing.

Also included are illustrations and descriptions of Whyco services for burnishing, testing, laboratory work and research.

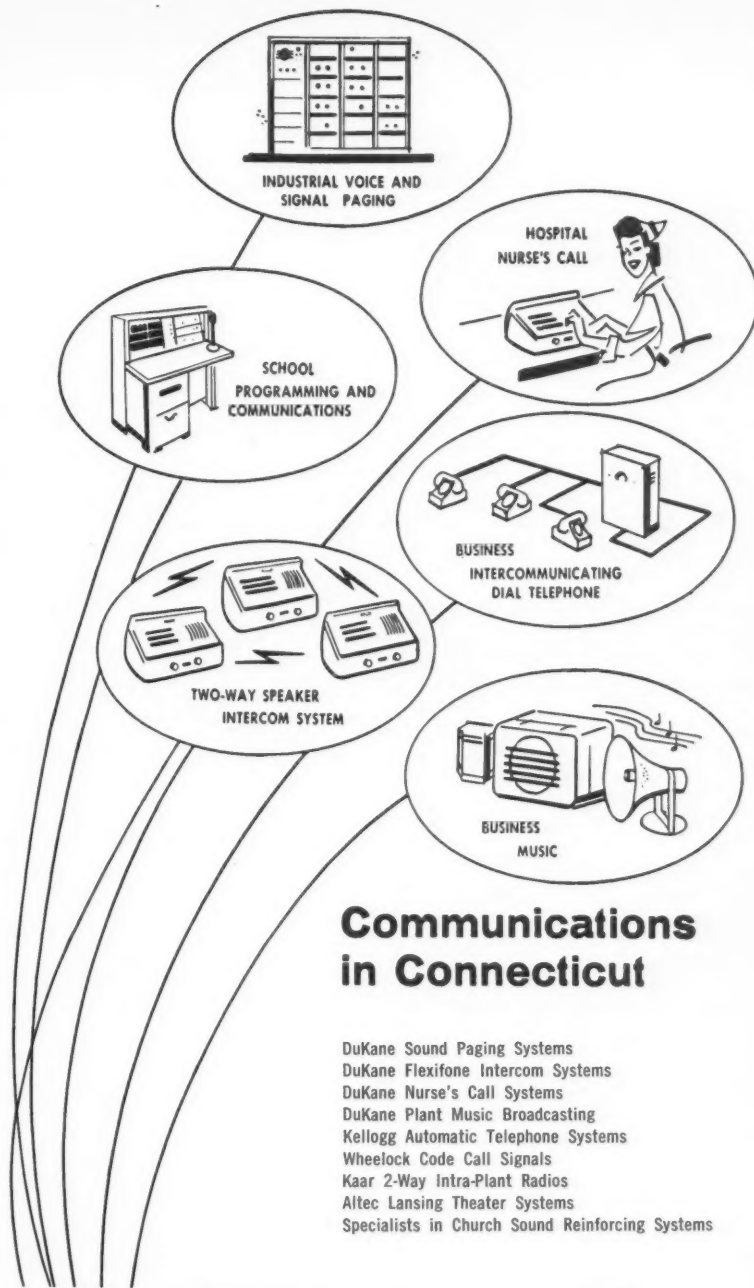
◆ FIRST PLACE in the fifth nationwide contest held to determine the best annual reports of business and industry published for employees, has been won by Pitney-Bowes, Inc., Stamford. Second place went to Shell Oil Co., New York City, and third place went to Goodyear Tire & Rubber Co., Akron.

The contest was sponsored by the monthly management report on employee communications, "The Score," published by Newcomb & Sammons, Chicago.

Entries were judged for journalistic quality, typography and design, plant-level acceptance, value as financial statements and value as management messages. The contest disclosed a number of trends in the new field of reporting to employees: More companies are making the stockholder report available to employees, in addition to issuing special employee reports; more companies today are publishing reports prepared especially for the employee group; management continues to adopt a patronizing tone in employee reports, although there are signs that this is declining; there is a perceptible trend toward issuance of the interim report to employees.

◆ APPOINTMENT of Leonard F. Swoyer to the position of general sales manager for New Departure Division of General Motors Corporation has been announced by the GM Division's general manager, Seth H. Stoner. Mr. Swoyer was formerly assistant general sales manager.

Mr. Swoyer is an engineering graduate of the University of Notre Dame. He joined New Departure in August, 1947, and following a few months association with its engineering department, became a sales engineer. In 1955 he was named to head up New Departure's Eastern sales activity until assuming the position of assistant general sales manager in November 1956.



Communications in Connecticut

DuKane Sound Paging Systems
DuKane Flexifone Intercom Systems
DuKane Nurse's Call Systems
DuKane Plant Music Broadcasting
Kellogg Automatic Telephone Systems
Wheelock Code Call Signals
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Office Furniture in Color



Take a tip from Oldham Studios in Wethersfield. Being a Display House, they are alert to color and what it can do in office furniture too. Barney's installation of Office Furniture in Color has given Oldham the smart surroundings it should have for creative work. Would you like to see the latest literature on this colorful trend? Ask Barney's.

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450 Front St. Phone JACKson 2-6221
Established 1930

HEAT TREATING

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SARGEANT & Wilbur
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170 York Ave.
Pawtucket, R. I.

Telephone: PAwtucket 3-5900

♦ A NEW PRESSURE bandage with unique advantages for industrial medicine has been developed by Conco Surgical Products, according to De Baun Claydon, M.D., vice president of the Bridgeport firm.

Called "Elasticfoam," it is a combination of the finest quality cotton elastic and pure soft foam rubber. The new bandage can be applied quickly and easily, according to the manufacturer, and used directly over open wounds, burns, and dermatitis.

Non-toxic and non-allergenic, it can be applied, removed, and reapplied with no discomfort to the patient. It can be sterilized and laundered repeatedly. Further information and samples are available from the company.

♦ STATE TESTING LABORATORY, INC., Bridgeport, commercial chemists and metallurgists, has announced the opening of additional facilities for testing bearings under environmental conditions to approved specifications.

Complexities of design and testing have demanded additional engineering facilities, according to company spokesmen. The laboratory has acquired the services of four more engineers qualified in design, mechanical and aeronautical skills.

The company has also announced the acquisition of licenses which permit the portable use of radioactive iridium and radioactive cobalt anywhere in Connecticut for gamma radiography.

♦ THE ELECTION of Leonard E. Bees as vice president—manufacturing of Union Hardware Company, Torrington, has been announced by F. Thatcher Lane, chairman of the board. Mr. Bees will be responsible for manufacturing operations at Union Hardware plants located in Torrington and Coventry, Connecticut, and Ware and Canton, Massachusetts.

Mr. Bees has been associated with Union Hardware Company as director

of manufacturing since 1953. He was with General Electric Co. for 24 years at various GE plants in Massachusetts and Connecticut. Immediately prior to joining Union Hardware Company he was vice president of the Trumbull Electric Division of General Electric Company at Plainville.

♦ A. H. PAYSON, president of The American Thermos Products Company, Norwich, has announced that acting on medical advice, Irving K. Fearn, vice president in charge of sales, has relinquished his sales responsibilities. Mr. Fearn continues with the company as vice president and a director in an administrative capacity.

Donald E. Livingston, sales manager, has been elected vice president in charge of sales, assuming the sales responsibilities relinquished by Mr. Fearn. Mr. Livingston has been associated with the Thermos Company for the past five years, previously being sales manager of the Vick Products Division of the Vick Chemical Company.

♦ HARLEY J. HISCOCK has been elected president and treasurer of The Fuller Merriam Company, West Haven, to succeed Harrison Fuller, founder of the company, who died on September 22. The firm manufactures grinding wheels and other bonded abrasive products.

Mr. Hiscock has been active in the grinding wheel industry since 1935, joining Fuller Merriam in 1948 as plant manager. He was elected vice president in 1950 and director in 1952. He is a member of the West Haven Rotary Club, American Ceramic Society, American Society for Abrasives and Executive Associates Forum. He is a director of the Grinding Wheel Institute and a member of its Research Projects Committee; a director of the New Haven Manufacturers Association and a member of its Press-Radio Committee.

The company has also announced the appointment of Stanley Trzaskos as

New Products . . . plus

Manufacturers seeking increased sales and strengthened earnings are invited to discuss their diversification, marketing and financial problems with us.

Wirth Management Company

"Supplementing Competent Management"

FAIRFIELD COUNTY TRUST COMPANY BUILDING
633 West Ave., Norwalk, Conn. TEmple 8-2347

product engineer. He will have charge of quality control and product development.

Mr. Trzaskos, a ceramic engineering graduate of Alfred University, has been associated with the Bay State Abrasive Products Co. of Westboro, Mass., for the past seven years.

◆ **THE KEENEY MANUFACTURING CO.**, Newington, manufacturers of heating specialties, has announced an improved electric humidifier for warm air furnace systems. Known as the Keeney Climatizer, the unit is constructed with a built-in heating element producing a vapor which rises directly into the air stream. No evaporation plates are used.

A feature of the unit is a float switch with completely enclosed rocker magnet which actuates a solenoid valve. The action of this foolproof switch positively controls the level of water in the aluminum body. The cover of the body has perforations which prevent the accumulation of grime. Regardless of water conditions, the cover keeps microscopic particles in colloidal suspension until exhausted in the vapor escaping through the holes.

◆ **JOSEPH E. LOWES**, former director of public relations for Pratt & Whitney Company, Inc., West Hartford, has established a firm of public relations consultants with offices in the City Club Building at 10 Allyn Street, Hartford.

Lowes Associates, which operated for a number of years with headquarters in New York City, specializes in all phases of public and community relations.

Mr. Lowes is widely known in Connecticut industrial circles. In 1929 he joined Pratt & Whitney Aircraft Company and was named its director of advertising and publicity in 1931. Until 1937 he served the United Aircraft Corporation in the same capacity.

A former executive of two major New York advertising agencies, he was also active in the publications field with **TIME, INC.**, and as circulation manager of **NEWSWEEK**. Later he became director of public relations for the Fairchild Engine & Airplane Corp. and assistant to its board chairman.

Mr. Lowes was formerly a member of the public relations committee of MAC, a director of the West Hartford Chamber of Commerce and the Governmental Research Institute.

◆ **CLARENCE H. KING, JR.** has been appointed to the newly-created position of assistant sales manager of the P. & F. Corbin Division of The American Hardware Corporation. The announcement was made by L. Curtis

Booth, vice president of The American Hardware Corporation in charge of P. & F. Corbin sales.

Mr. King was graduated from St. Paul's School, Concord, New Hampshire, and Yale University. He served in the U. S. Navy and was discharged a Lieutenant (j.g.). After undergoing an intensive training program at the Corbin home office and factory, he has traveled extensively in the Corbin southeastern and southwestern territories.

◆ **ADMINISTRATIVE** changes and promotions designed to fully integrate operations of North & Judd Mfg. Company, New Britain, and its Wilcox-Crittenden Divisions, Middletown, have been announced by Frederick L. Morrow, president. The 146-year-old North & Judd organization manufactures a wide range of products, among them fasteners for wearing apparel and industrial use, saddlery and riding hardware and does contract work in wire formings and items of molded plastic.

If It's Fafnir Produced —

It's Precision Perfect



Whether these bearings are used on giant earthmoving machines or on delicate guidance systems for missiles, they must meet the most exacting technical specifications.

Cleanliness is essential... dirt is the nemesis of precision bearings. A tiny particle of dust or contaminant in a bearing can cause malfunctioning and lead to an early breakdown. Extreme care is taken in the manufacturing and packaging of Fafnir precision ball bearings to guard against dirt or contaminants in the finished products.

Robertson is proud that Fafnir has chosen us to supply folding cartons to help protect the cleanliness of the product on the trip from the Fafnir plant to the ultimate user.

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THE GEORGE ELLIS COMPANY is devoted to the highly specialized field of INDUSTRIAL AIR CONDITIONING and REFRIGERATION. Whether your job is large or small, you will find our staff ready to solve your particular problem and give prompt personal service at all times.

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Company

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WEst 4-5291

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JACKSON 2-2176

The Wilcox-Crittenden Division is one of the nation's leading producers of marine fittings.

Named to the newly-created post of executive vice president for the entire company is John A. Morris. Mr. Morris was also elected a member of the board of directors. He has served as resident manager of the Dallas office, as sales manager of style products and in sales research for North & Judd, and as general sales manager of Wilcox-Crittenden and, most recently, as its vice president.

Herman Frank, a vice president and member of the board of directors, is now in charge of all manufacturing operations. He was formerly associated with several companies in New York state as works manager and consulting engineer.

Ivan L. Smith is now vice president in charge of all sales. He has been manager of North & Judd's zipper sales and style products sales; assistant general manager, and vice president and general sales manager of North & Judd.

Other appointments are Philip W. Brown, sales manager of style products, to general sales manager of North & Judd; Richard Hube, assistant works manager to works manager of North & Judd and William H. Wilkinson to assistant treasurer at the Wilcox-Crittenden division.

◆ THE DICTAPHONE AIMO system, a revolutionary new method of providing taped voice instructions, rather than printed words or diagrams, to manufacturing workers is now in commercial production and will be available from Dictaphone Corporation, Bridgeport.

AIMO (Audio Instructed Manufacturing Operation) was developed by Dictaphone in cooperation with Westinghouse Electric Corporation. It has been thoroughly tested at the Westinghouse East Pittsburgh plant, where it is said to have contributed to a dramatic increase in productivity and cut down worker fatigue markedly.

Two new Dictaphone machines form the essentials of AIMO. One is for use in recording information required to instruct a worker in the performance of a factory operation. The other is designed to reproduce these pre-recorded oral instructions for an operator who performs each step necessary for proper assembly or fabrication in a manufacturing process.

A unique feature of the recording unit is a special indication button which allows the instructor to clearly define successive "blocks" of information, one at a time.

The reproducing unit functions at the job site. When the operator is ready for instructions, he depresses the foot control lightly and momentarily. The machine runs automatically until a block space has been reached, when it stops. As soon as the operator is ready for his next instruction, he repeats the process.

◆ MACALASTER BICKNELL CO., Cambridge, Mass., manufacturers and distributors of laboratory supplies and equipment, has announced expansion at its New Haven and Syracuse locations. Open house and a scientific instrument exhibit recently marked the opening of a new and modern plant at the Syracuse location.

Announcement of the completion of



AIMO recording unit is used to put voice instructions on tape for later playback to operator in manufacturing process. Indication button on microphone allows instructor to give "blocks" of information, one block at a time, for easy assimilation by operator.

the addition to the New Haven facilities was in the form of a scientific instrument symposium held at the plant during October.

♦ **THE PURCHASE** of the Electro-physical Engineering Company, Division of National Automotive Fibres, Inc., Orange, California, has been announced by Farrel-Birmingham Company, Inc., Ansonia. The firm manufactures small plastic extruders.

During the past few years, Electro-physical Engineering Company has introduced in the California area its line of EPE plastics extrusion machines, which range in screw diameters from 2 to 6 inches and which feature "Inductomatic" heating of the stock. The inventor of the Inductomatic element, R. H. Wenzel, will join the Farrel-Birmingham extruder division with headquarters in Ansonia. Manufacturing will be carried on in the present plant at Orange, California, also in the Farrel-Birmingham Rochester, New York plant.

Farrel-Birmingham Company, Inc., manufacturer of several lines of heavy machinery and machine tools is a leading supplier of heavy-duty equipment to the rubber and plastics industries. Among its products are extruders for both rubber and plastics with screw diameters ranging up to 24 inches.

♦ **JOSEPH F. ANDERSON** has been named advertising manager of Dictaphone Corporation, Bridgeport, it has been announced by Lloyd M. Powell, president. Mr. Anderson, who had previously been assistant advertising manager, joined Dictaphone in 1950. He is a member of the budget control committee of the Association of National Advertisers.

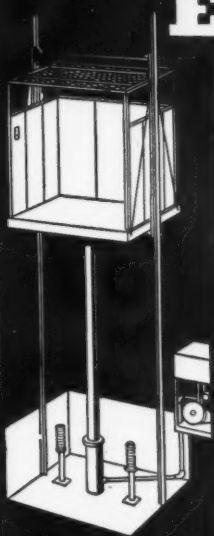
♦ **A QUICK-RESPONDING**, highly accurate gage for checking the preload and end play of ball bearings has been announced by Pratt & Whitney Company, Inc., West Hartford. It will be known as the Air-O-Limit Preload—End Play Gage.

Checking both statistically and dynamically, this gage determines the relative "face flushness," commonly called "stick in" and "stick out," of miniature and instrument size ball bearing races, such as those used in aircraft instruments and controls for guided missiles.

♦ **THE CARLYLE JOHNSON** Machine Company of Manchester has announced the New #9000 Series, flux-through disc type of electric clutch with stationary coil, built to modern American machine standards.

The #9000 Series incorporate the well-proven design principles of Maxi-

NEED A NEW ELEVATOR?



Elevator rises as oil is electrically pumped into jack. Descent by gravity

An Oilhydraulic is Your Best Buy for 2, 3 or 4-Story Service

Oilhydraulic Elevators are designed for dependable operation at lowest cost. No penthouse or heavy load-bearing shaftway structure required; powerful hydraulic jack pushes load up from below. Extremely smooth and accurate landing stops. Power used during rise only — economical. Compact electric power unit can be placed in waste space.

Made by Rotary Lift Co.

Oilhydraulics are backed by the experience of Rotary Lift Co., leader in oil-hydraulic lifting devices. Over 40,000 now in use. Car sizes and capacities as required. All popular controls. Practical for rise up to 40 feet. For freight or passenger service. Call on us for complete data.

Sold, Installed, Serviced By
EASTERN ELEVATOR CO. Inc.
133 MILL RIVER ST., NEW HAVEN, CONN.

Exclusively

DAVENPORT

HIGH SPEED

SCREW MACHINES



The Davenport Five Spindle Automatic Screw Machine produces parts at high speed with uniform shape to close tolerances. No costly secondary operation necessary.



Parts from all metals 1/16" to 3/4" round; 1/16" to 5/8" hex. 1/16" to 1/2" square up to 150 parts a minute.

Minimum Order: 25,000 Steel or Alloy
50,000 Non-Ferrous Metal



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SCREW MACHINE PRODUCTS, Inc.

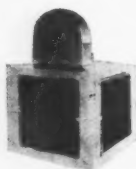
60 LAFAYETTE ST. • WATERBURY, CONN.

Phone PLAZA 4-0597

COLONIAL

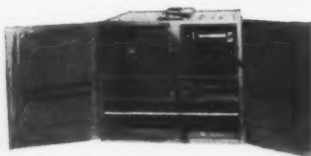
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Dust Collecting Equipment

UNIT DUST COLLECTORS



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We specialize in the design, manufacture and installation of complete dust collecting, ventilating, fume removal and conveying systems for industry.

*Our engineering staff
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Phone Sherwood 7-2753



torq Floating Disc Units. They combine a specially developed disc assembly design with a new type of electro-magnetic operating mechanism, by means of which the clutch (or brake) is held in engaged position by the action of magnetic flux passing through buttress plate, disc assembly and end plate.

Since the clutch is actuated entirely by the magnetic flux, there are no levers or other highly stressed parts. The magnetic coil unit and its housing are stationary at all times.

◆ **CHARLES ECKLUND** has been named director of manufacturing of Dictaphone Corporation, Bridgeport, it has been announced by C. K. Woodbridge, chairman of the board. Mr. Ecklund succeeds Albert E. Diem, who has resigned to become vice president for business administration at Pennsylvania State University, University Park, Pa.

In his new post, Mr. Ecklund will head up all manufacturing operations at Dictaphone's Bridgeport and Concord, N.H. plants. His association with the company started in 1920 when he was employed as a tool maker by the Columbia Graphophone Corporation, direct predecessor to the present-day Dictaphone Corporation. He has served as foreman of the assembly department, assistant superintendent, supervisor of tools and methods, and superintendent and manager of manufacturing.

◆ **KAISER ALUMINUM ROD**, bar and wire is now available from the Waterbury warehouse of Chase Brass & Copper Co., Inc., according to an announcement by C. L. Moseley, district manager for Chase. This follows the recent appointment of Chase as a distributor of Kaiser Aluminum mill products.

Present planning calls for eventual stocking of aluminum in all Chase warehouses. Coiled Chase-rolled sheets up to 18" wide will also be available from the Chase mill in Waterbury.

◆ **LEONARD C. BOWEN** has been named vice president—manufacturing of Underwood Corporation.

With Underwood since 1957 as vice president of typewriter manufacturing, he will now oversee the production of all of the corporation's office equipment products. Mr. Bowen was previously with Royal McBee Corporation as manufacturing vice president. He was employed with that firm and its Canadian subsidiary for seventeen years, serving in diverse managerial capacities, culminating in the vice presidency.

Mr. Bowen's headquarters will con-

CHASE



*the Nation's Headquarters
for* **ALUMINUM**

**BRASS
COPPER
STAINLESS STEEL**

Warehouse and Mill
CHASE BRASS & COPPER CO.
Waterbury 20, Conn.
Tel. Plaza 6-9444



MILLS



WAREHOUSES

**WHAT CONNECTICUT MAKES
MAKES CONNECTICUT**

Manufacturers of
DRY PRESS
(STANDARD ITEMS)

**FIRE BRICK
SPECIAL SHAPES**
(MUD PRESS)

IN ANY SHAPE
OR QUALITY DESIRED

THE HOWARD COMPANY

250 Boulevard, New Haven, Conn.
SPruce 7-4447

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Creative
Services*

INDUSTRIAL
and CONSUMER
ADVERTISING
MARKETING
PUBLIC RELATIONS

**Julian Gross
and Associates, Inc.**

Advertising

TRADE PUBLICITY
SALES PROMOTION
DIRECT MAIL
CAMPAIGNS
SALES MANUALS
CATALOGS
PRODUCT
LITERATURE

770 ASYLUM AVE.
HARTFORD 5, CONN.
TEL. CH 9-8491

tinue to be at Underwood's Hartford plant.

♦ PLANS for a 36-inch telescope to be sent to over 80,000 feet by unmanned balloon to photograph planets, nebulae and galaxies were announced recently by the National Science Foundation and the Office of Naval Research, joint supporters of the project.

Called Stratoscope II, the telescope is a continuation of the ONR-backed 12-inch Stratoscope I telescope flown last fall to photograph the sun. The much larger 36-inch telescope, which is currently the subject of a design study by the Perkin-Elmer Corporation, Norwalk, will have a television link with the ground.

After tests, the first flight of the Stratoscope II telescope is scheduled for 1961. Design work will be completed in 1959, with construction to take place in 1960.

♦ A CHANGE in the top management of the Danielson Manufacturing has been announced. John E. Holt, who has been president of the company since 1949, has resigned and that position has been filled by Robert B. Hopgood, previously assistant to the vice president in charge of operations of the Nicholson File Company, of which Danco is now a subsidiary.

The Nicholson File Company, which manufactures files, rasps and burrs, is now selling Danco's soft-faced hammers through its industrial sales organization.

♦ SELDEN T. WILLIAMS was elected to the presidency of the Scovill Manufacturing Co., Waterbury, at a recent meeting of the board of directors. He succeeds William M. Goss, who has announced his retirement. Announced at the same meeting was the retirement of Leavenworth P. Sperry, chairman of the board. The office of chairman was not filled.

Mr. Williams has been general manager of A. Schrader's Son Division of Scovill in Brooklyn, New York. In addition he was vice president of Scovill, having been elected in 1944. He became a member of the board of directors two years ago.

Mr. Williams was superintendent of Schrader's when Scovill acquired the firm in 1930. He is a graduate of St. Lawrence University, and received his master's degree there. He holds an honorary Ph.D. degree in engineering from Pratt Institute.

Mr. Sperry, the retiring board chairman, observed his 50th anniversary with the company in 1953, while he was president. At that time he became the fifth consecutive president of Sco-

MICHAEL D. FEIGIN

50 Main Street
Westport, Conn.

CApital 7-5111

Dear Connecticut Manufacturers:

Recently I have developed "A PERSONAL SIDE TO THE CORPORATE DOLLAR." This enables your corporation, if qualified, to provide you, or any key employee, with the following:

- (1) \$10,000 per year for ten years to your beneficiary if you die before age 65.
- (2) \$10,000 per year for ten years to you beginning at age 65.
- (3) At the conclusion of either event, YOUR CORPORATION WILL BE REIMBURSED FOR ALL PREMIUMS PAID, and in addition, show a "TAX FREE PROFIT."

I would enjoy showing you the mechanics of this plan. If you simply mail your business card to my office, or call me personally, we can arrange an appointment.

Sincerely yours,

Michael D. Feigin



offers
HARD-TO-FIND FACILITIES
to neighbors in
NEW ENGLAND AREA

FLANGING and DISHING
 of HEADS up to 1 inch thick
 in Steel, Stainless, Inconel, etc.

EDGE and ANGLE ROLLING

350-TON PRESS BRAKE

Our people are experts in handling those *real tough jobs*, and we have limited excess capacity to offer which may be just what you are looking for. *Continuity assured* on assignments we accept. Write or call Forest 7-8611. Ask for Mr. Burns.

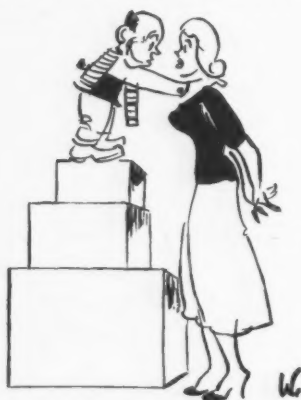
ROLOCK, INCORPORATED
 1324 KINGS HIGHWAY, FAIRFIELD, CONN.

BRL58

JOB-ENGINEERED for better work
 Easier Operation, Lower Cost



SEZ



HAPPY HOLIDAY
 and
PROSPEROUS 1959

CORRUGATED
CONTAINERS

INCORPORATED

120 Huyshope Ave. Hartford Conn.
 Tel: CHapel 6-8546

will to serve the company a half century or more. He became president in 1944.

Mr. Goss has served the company for 41 years and has been its president since 1955. Both Mr. Goss and Mr. Sperry will continue to serve as directors, and will be available to the new president in a consulting and advisory capacity. Mark L. Sperry 2nd will continue to serve as executive vice president.

♦ A NEW, high-performance reflectoscope has been introduced by Sperry Products, Inc., Danbury.

The company, pioneer in developing ultrasonic instruments and techniques for non-destructive testing of materials and fabrications, reports the reflectoscope incorporates advanced pulser and receiver circuitry assuring greater sensitivity and higher resolution at no sacrifice of linear response or dynamic range.

Self-contained in an aluminum case, the instrument weighs 75 pounds and can be carried to any point where testing is required. The reflectoscope is widely used to locate and identify imperfections on the surface or with the structure of materials. It is employed also for inspecting the structural integrity of welds and bonds, the effects of wear upon machine components and for fast, reliable inspection of machinery to shorten downtime by eliminating the need for dismantling.

♦ J. BRIGHAM SERVICE has been named to the post of industrial relations manager at The American Thread Co., Willimantic, it has been announced by Arthur K. Stewart, general manager. Mr. Service succeeds Robert S. Layton who has resigned to accept another position.

He has been associated with The American Thread Co. since July 1950 and has progressively served as manufacturing trainee, assistant overseer, assistant superintendent, research technician and for the past five years has filled the post of assistant industrial relations manager.

The Railroad's Wasteful Wages

(Continued from page 14)

was the average speed of a freight train. The steam locomotive needed servicing about every 100 miles, thus it made sense at that time to set up hundred mile operating divisions on most railroads. When the eight hour day became law in 1916, a policy was established on freight runs of paying for 100 miles or for eight hours, whichever elapsed first. In passenger service, the rule was five hours or 100 miles as a day's pay for engineers and firemen, with 7½ hours or 150 miles as

the base for conductors and train men. With its incentive for on-time operation, this arrangement was, at the time, fair to both labor and management. Today, the average speed of freight trains is almost twice that of 40 or 50 years ago, but the basic day for railroad operating people has not changed. Now a crew can earn two or three, sometimes even four days' pay in one day's work. One run has a fireman who earns \$75 for every day he works. His brotherhood restricts him to working no more than 10 days a month thus making work for other firemen, presumably all on diesels.

Inefficient Scheduling Skyrockets Costs

The scheduling of work has also been rigidly tied down in a way that brings about a great deal of feather-bedding. For example, a crew that normally started work at 8 a.m. was called instead for 7:30. They worked eight hours. A referee, when the matter came before him, awarded the crew 20 hours pay, holding that they were entitled to a guaranteed eight hours beginning at 8 o'clock, plus 12 hours for the extra half hour, on the basis that it was part of another working day for which the crew should be paid since they had worked part of it. That day would have to be paid at time-and-a-half because both working days fell within one 24-hour period.

Rigid scheduling by fixed rules also cuts into the efficient use of equipment. For instance, in one yard where one engine and its crew could do the work if the eight hour shift could be set from 11 a.m. to 7 p.m., it is now necessary to schedule two engines and two crews—one starting at 8 a.m. and working until 4 p.m., the other starting at 4 p.m. and remaining on duty until midnight. Strict rules also govern assignments of work. They cannot be changed in the middle of a day without severe penalties. On a certain small belt railroad a switch engine pushes loaded coal cars up to a dumping mechanism, but that same engine cannot take away the empty cars because that would be a change of assignment which would entitle the pusher crew to an extra day's pay each time they switched from one operation to the other. So, a "shover" engine with crew stands by while the pusher works and when the empties finally accumulate to a point where no more loaded cars can be moved up, the shover engine takes over and clears them away while the pusher and its crew stands idle.

Pushbutton Boondoggling

One job classification that goes back to the days of steam is that of the hostler. It was his task to make engines

ready for service, building the fires, checking coal and water, getting up steam and then turning them over to the regular engineer and fireman. Today, a diesel starts up at the touch of a button, but under the working rules on most railroads only the hostler can touch that button. One recent time study on a railroad showed that a hostler put in one productive hour on every eight hour shift. We have the other instance of a fireman being awarded two hours extra pay because he had to start his own diesel. Why? Because an old agreement, still in force, said that a fireman would get that 2-hour "arbitrary" for firing his locomotive at the beginning of a run.

Hundreds of agreements cover what is "road work" and what is "yard work" and each group zealously guards its particular private preserve. A road engineer recently got an extra day's pay for moving his engine 40 car lengths while it was in a yard. A yard crew went four miles out on the main line to pull a freight out of a snow drift and got extra pay for 100 miles. A road service brakeman had to be paid for 100 miles when he walked 15 steps to couple a road diesel to another diesel which was out of order. He claimed, and the referee sustained the claim, that this was a day's switching.

Clerks and telegraphers as well as operating people have built high walls around their jobs. If a clerk, for example, has more work than he can do, it cannot be assigned to a co-worker who has no work, for that action might deprive the first clerk of overtime. A telegrapher filed claim for and got payment for transmitting a train order that was actually handled over the telephone by a freight conductor over 200 miles away, where no telegrapher was available. He was paid because the railroad did not move him there to perform that job.

Nearly Half Billion Paid For Non-Productive Work

The files of the railroads and the mediation and adjustment boards are filled with thousands of similar cases. The Interstate Commerce Commission recognizes the situation to the point of showing in its annual statement M-300 on wages paid by Class I railroads a breakdown indicating "time actually worked and paid for at straight time rates," "overtime paid for at punitive rates," "time paid for but not worked," and for train and engine crews in addition to straight time and overtime payments, the Commission shows "constructive allowances," "miles actually run" and "miles paid for but not run." The summary under "other compensation" shows that in 1957 the Class I railroads paid out \$423,799,533 for



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for
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PHOTOENGRAVING, RUBBER PLATES
COMPLETE ART SERVICE
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NEW HAVEN ELECTROTYPE DIVISION
ELECTROTYPE PLANT
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Providing the vital link between today's planning and tomorrow's profits.

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*Specialists in research and
development of new materi-
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**THE HENRY SOUTHER
ENGINEERING CO.**

Engineering & Chemical
Service

Water Purification

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Industry

Hartford,

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Specializing in

• FINANCING RECEIVABLE ACCOUNTS
ON A "NON NOTIFICATION" BASIS,
FOR MANUFACTURERS.

• Commercial financing, second mort-
gage loans on industrial property and
large apartment houses.

• Rapid service with no unnecessary
delay. Extra large funds available for
quick use.

*A representative will be
glad to call on request.*

FACTORY FINANCE CO.

721 Main Street Hartford JA. 2-4125

**STEEL
CASTINGS**

From one lb. to
2500 lbs. each

Try us for fast
delivery when your
needs are urgent.

THE
NUTMEG CRUCIBLE STEEL
COMPANY
BRANFORD CONNECTICUT

which they received no productive work. That includes the various allowances, time paid for and not worked, miles paid for but not run, but does not include punitive overtime. That alone cost them \$292,909,367. All of this on a total payroll of \$5,358,043,915 for the year. The total cost of unproductive work and punitive overtime was \$716,708,900 which nearly approaches the \$723,483,000 passenger deficit experienced by the railroads in 1957.

**Quick Change Required to
Avert Government Ownership**

The problem does not lend itself to an easy solution. The short-sightedness of the powerful brotherhoods shows no signs of changing. The fixed pattern of regional adjustment boards and mediation is firmly embedded in legislation and in practice. There is no doubt that the railroads will advance technologically wherever and however they can under the handicaps imposed on them by these obsolete working agreements, but their progress will be slow and costly and in the long run the public will have to pay ever higher freight and passenger charges for a service which is inferior. Widespread public interest brought to bear on the problem, an aroused awareness of the danger of nationalization of the railroads and a willingness on the part of railroad labor, railroad management and our legislators to explore new approaches to the dilemma should all be helpful. It only remains to be seen if these forces can and will be mobilized in time.

**Taxes on Advertising—
A Sword of Damocles**

(Continued from page 13)

his concern that both electric-company customers and taxpayers in general were being charged, "through income tax deductions, for their own brainwashing," he stated that he had asked the Commissioner of Internal Revenue whether the costs of this advertising

were being allowed as a normal business expense for the computation of Federal income taxes. He announced that the Commissioner had promised an investigation.

Inquiry Lasted 10 Months

The investigation took almost 10 months. In February of this year the results were reported to Senator Ke-fauver, who promptly announced them to the press. He stated that the Internal Revenue Service had ruled that the national advertising of the electric companies was not a tax-deductible business expense and that the field force of the service had been instructed accordingly. The Senator went on to say that the ruling was in accord with his own study of the "advertising techniques," and he complimented the Commissioner "for his zeal in protecting the public interest."

The Internal Revenue Service itself made no public announcement about the ruling. However, in answer to a specific question by *Advertising Age*, an Internal Revenue Service spokesman stated that the ruling held "that the real purpose of the campaign was to promote or defeat legislation" and pointed out that the courts can decide whether the ruling is reasonable.

That's where the matter rests now. Since this advertising program is being conducted collectively by 120 companies rather than by a single organization, it is up to these companies to take individual action. Many of them are already planning to do just that.

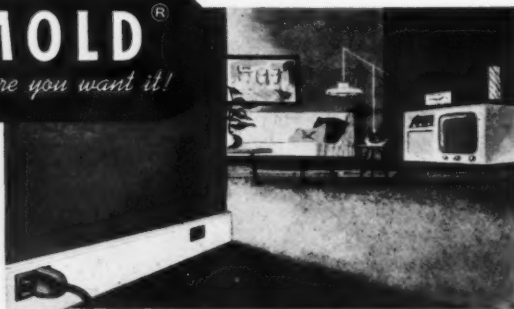
But the sword of Damocles still hangs over other industries, indeed over all business.

Aside from advertising specific sales and services, there is relatively little that business can say to the public that cannot be interpreted to have some possible effect on some legislation. *Advertising Age* pointed this out in an editorial by stating that "a considerable amount of non-product advertising of all types is likely to be placed under a cloud. And the sad thing is that some of it will not run

PLUGMOLD®

puts electricity where you want it!

► Gives you enough outlets for all electrical needs. Looks like a baseboard, Plugmold is a grounded steel raceway for homes, stores and industry. It's clean and easy to install in new or old buildings. Write for folder on all types of Plugmold.



THE **WIREMOLD®** COMPANY • HARTFORD 10, CONN.

because of fear of disallowance, even though there may be no basis whatever for such fear." The *Milwaukee Sentinel*, among other newspapers, has pointed out that this type of ruling can be directed against all "public service" advertising as well.

The Advertising Federation of America and other organizations in the field have been working with the Internal Revenue Service in attempts to define exactly what is meant by "the promotion or defeat of legislation." So far, these attempts have been fruitless. It would almost seem as though the provision of a sword of Damocles is intentional. Under such circumstances, the Federal Government has a weapon to use on those with whom it disagrees.

Free Speech Held No Issue

It is claimed that free speech is not involved here. It is claimed business is not prevented from telling its story to the public in any way it wants. The present ruling is merely that such communication is not an allowable business expense.

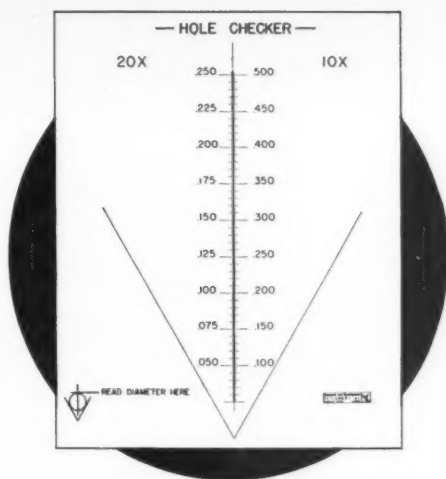
The national advertising of the electric companies has already been branded as "propaganda" and there is specific legislation pending in Congress which, if passed, would deny its tax-deductibility by law. This legislation, by the way, is directed only against utilities.

But freedoms are lost by degrees. The advertising of other industries and of companies within them can also be smeared as "propaganda" and legislated against in a similar fashion. It's only a step from a "not 'allowable' business expense" to a "not 'legitimate' business expense." Whatever is not "legitimate" can be legislated against. Therefore it can be twisted around so that business can be prevented from telling its story, by law, and this prevention can be claimed not to be an infringement on the right of free speech.

Ridiculous? It would seem so at the moment. But we have been profoundly affected in our own lifetime by movements that began no less ridiculously.

It will be many months before the present issue is decided and the courts rule on whether the electric companies' 17-year-old national advertising program is an attempt to influence legislation within the meaning of the Internal Revenue Code. The processes of litigation are lengthy.

But until that issue is decided—and perhaps even afterwards—the tax-deductibility of all advertising in which business tells its own story hangs overhead like a sword of Damocles whose thread can be snapped by any Washington whim.



With this unique HOLE CHECKER you can instantly read the exact diameter of a hole projected on a comparator screen. No fussing with a scale. The hole is positioned in the

vee lines, and the diameter read directly at top of hole, on the specially calibrated scale. Capacity and prices are given in the chart below.

Size of chart	Direct reading scale increments	Magnification	Hole range	Plastic	COST Plastic	Glass
8" x 10"	.002 .001	10 X 20 X	.050 to .500 .025 to .250	clear .010 thick \$20.00	frosted one side .022 thick \$24.00	ground one side \$28.00

This modest investment in the time and money saving HOLE CHECKER gives you a taste of our service. Phone or write today.

**Research and Development
DESIGNERS, INC.**



48 HIGHLAND AVENUE
P. O. Box 526
Diamond 7-4058
Middletown, Connecticut



One Section of Atmosphere Furnaces

...here's "Treatment" you can trust!

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Latest and finest furnaces and instrumentation assure accurate temperature and quality control on the widest variety of metal parts. All material rigidly inspected before shipment.

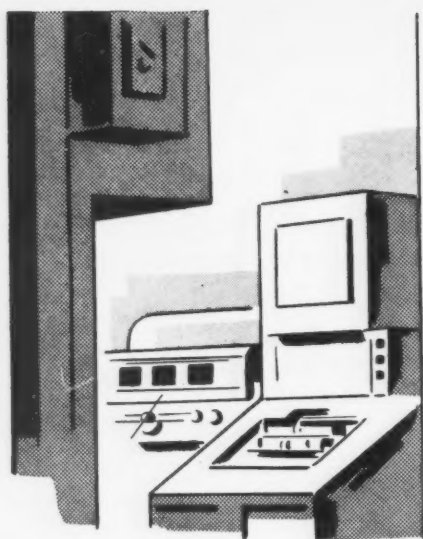
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The Hartford Electric Light Company
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How Would You Decide?

By **Fredrick H. Waterhouse**
Counsel

Are sick leave benefits, existing at the time a contract is established, but omitted from the contract itself, considered as incorporated in the contract?

Here's What Happened!

Prior to the formation and recognition of the union, the company had issued a written statement to all of its employees entitled "Statement of Working Conditions." Among the company policies outlined in that statement was one which provided sick pay benefits. Although there was no discussion specifically relating to sick pay during the negotiations, the union requested a clause continuing all existing rights and privileges not otherwise mentioned in the contract. The company refused to agree to such a clause but stated that it was not the company's desire or intention to deprive employees of existing benefits. Since the contract, which was the first contract between the parties, contained the basic provisions the union was seeking such as a union shop, check off and a wage increase, the union agreed to its terms. There was no reference made to sick pay. Nevertheless, the company continued its past practice of granting sick pay for over a year and then notified the union that it proposed to change these provisions because of abuses by the employees. After several discussions with the union and a refusal by the union to agree to any changes in the sick pay policy, the company nevertheless revised the policy making it somewhat less liberal and with tighter controls. During the arbitration proceeding the union claimed the failure to include the sick pay provision in the contract was an oversight and suggested that the board reform the contract by including such a provision.

Can the arbitrator write in a clause which the parties failed or refused to negotiate?

The arbitration board ruled that as sick pay benefits are "working conditions" with regard to which the company recognizes the union as the sole and exclusive bargaining agent, the company had an obligation to bargain in good faith with the union to en-

deavor to reach agreement on changes which were required by the circumstances, but that the company had fulfilled this duty when it notified the union and discussed the problem with the union on several occasions before making the change. The board pointed out that the duty to bargain does not necessarily imply a duty to agree and since no provision was made in the contract to pay sick benefits, there was no contractual violation when the company unilaterally revised them.

Is the company required to give job bidders a trial on the job requested, in the order of their ranking?

Here's What Happened!

The contract provided that when new jobs were created or vacancies occurred, such jobs would be posted for two days and that employees bidding on posted jobs would be given consideration in a designated order. Five categories of priority groups were outlined in the contract and the company was required to give consideration to the bidders in that order. This clause also provided for what should be done with an employee who had been awarded a job under this job posting system, but who "is unable to qualify within a reasonable time." Be-

cause of a backlog in a certain department an opening for a qualification in that department was posted. Several employees bid for the job and were considered for the job by the company in accordance with the seniority provisions of the contract. The first two applicants, including the aggrieved in this case, after being duly considered for the job, were rejected on the grounds that they did not have the capability to perform the duties involved or the necessary experience. Another applicant was then accepted and given the job and there was no question about his capability to perform the work involved, immediately, without any assistance, instruction, or familiarization action. The union claimed that the most senior employee under the terms of the contract was entitled to a trial on the job for a reasonable time and also claimed that he would have qualified. The company claimed that the successful bidder must be able to perform the job without the necessity for training.

Is management required to train an employee for the job simply because he is the highest ranking bidder in terms of priority clause and seniority status?

The arbitrator ruled that the company had fulfilled its obligation under the contract by giving proper consideration to the bidders in accordance with their seniority and since the grievant was not qualified to perform the job duties when he was considered for the vacancy, he was not entitled to the job. There was uncontradicted testimony that it would require about two years for the grievant to become sufficiently familiar with the various features of

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the job before he could satisfactorily perform its duties.

May the employer reassign or consolidate duties if it results in eliminating a job?

Here's What Happened!

Because of a slackness in business and a substantial reduction in duties to be performed on a certain job the company reassigned the work still left on that job to another job and then combined the two jobs. The employee whose work was thus transferred or reassigned was laid off as there was no longer any work available for him. He then complained that since his work was not discontinued but merely redistributed to an employee in another occupation, his seniority rights were violated, and also that the company could not unilaterally change the content in existing jobs. The company claimed that the only question before the arbitrator was whether there was need for the particular job which was eliminated and that that decision was strictly a management right.

Do job descriptions establish job rights?

The arbitrator ruled that there was nothing in the "management rights"

clause in the contract which gave the company the right to change job contents. Therefore, he decided that as job descriptions were part of the contract, the company did not have the right to make unilateral changes in the content of jobs and the employee must be reinstated with back pay.

Report From The Exposition

(Continued from page 11)

Meriden put together an ingenious exhibit of water filters that attracted the spectators, held their interest and is paying off handsomely in Exposition-related orders for both household and swimming pool filters. Three companies—Dardick Corporation, Ronson Corporation and Stanley Works used the 1958 exposition as a springboard for brand new products and cashed in on the general publicity for the Connecticut Building itself. Dardick Corporation introduced its revolutionary new triangular cartridge made of plastic and was able to demonstrate its firearms with interchangeable barrels to a wide range of sportsmen, farm folk and law enforcement officials.

For Ronson, of course, with its line of direct consumer products, the show was a natural. It provided an open

counter where, without the benefit of intervening plate glass, the company could not only display but actually demonstrate its cigarette lighters, electric shavers and hair driers. The company also showed for the first time its new Roto-Shine, an electric shoe polisher for home use—and the unusual number of shiny shoes on visitors in the Connecticut Building bore witness to the fact that a lot of potential customers had tried out the new gadget.

Routers and Sitters

Youth and age were effectively combined in the display of Stanley Electric Tools as the more-than-century-old manufacturer made use of the exposition to premiere its brand new router equipped for the first time with a light to illuminate the working area and a new curved Surform for rounding out curved surfaces.

Castro Convertible of Danbury, which had taken over one end of the balcony above the main display area, provided not only a welcome oasis for tired feet but in so doing, saw hundreds of potential customers actually trying out their furniture, enjoying it, and paying relaxed attention to the attendants at the display.

Making Work for Santa Claus

Two representatives of the transportation equipment industry—junior version, to be sure—completely enchanted the younger folk; and with Christmas in the offing, somebody is bound to remember. The crowd was always thick at the exhibit of Gilbert trains as they rushed down tracks, skimmed over trestles and tooted realistically at frequent intervals. Budding young scientists were also intrigued by the company's microscopes and science kits, just in the right mood for the post-Sputnik era.

Power Car Company of Mystic successfully competed with the railroad. It did so by offering actual rides in its diminutive models of real cars to the members of the youngest generation; and undoubtedly, the company will reap the benefits of a few of the fathers who can comply with the chorus of "Buy me one!"

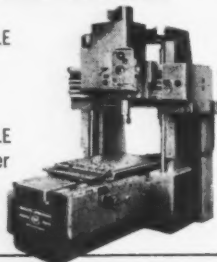
In its own way, each exhibit did credit to the exhibiting company and the benefits will continue to be felt for months to come. Connecticut industry as a whole also profited. Its combined display of variety, precision, imagination spoke well for the management brains at home and gave to Connecticut people, especially, an increased sense of pride and identification with the state's manufacturing economy. These things are not quickly forgotten.

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Public Relations

Political Effectiveness: Big Need of Business

♦ "IT is imperative that business leaders become at least as familiar with the mechanics of politics as they are with the mechanics of production, distribution, and cost-accounting."

So spoke U. S. Senator Karl Mundt not many weeks ago when he addressed MAC's annual dinner in New Haven. Not long before General Electric's Lem Boulware had told a nationwide radio audience:

"The businessman's biggest job in 1958 is achieving greater political effectiveness."

At about the same time The Gulf Oil Corporation was serving public notice that it, too, would take a corporate plunge into public education on political issues.

"If we are to survive," Gulf's policy statement declared, "labor's political power must now be opposed by matching force, and there is no place in the United States where such a force can be generated except among corporations that make up American business."

Thus, up and down the country—not only among the giants, but sometimes even more aggressively from smaller firms—has been growing a greater business willingness to make its voice heard on the political scene. A willingness that can only have been sharpened to urgency by the impact of last month's elections.

Federal law, of course, prevents the corporation—as a corporation—from giving money to national political parties or backing specific candidates. But three clear courses of action are open:

- (a) *Clarification of Issues*—General Electric Company for a number of years has actively used mass communication techniques to increase economic and political understanding about issues and people who affect business.

In its recent announcement Gulf Oil Corp. declared it would keep its employees, stockholders and dealers advised as to the views, attendance and voting records of all Senators and Representatives—so that each person thus informed can decide "whether his Senators and his Congressmen are serving him well, little, or not at all."

Missouri business leaders took

a more direct approach. Working through the Missouri Chamber of Commerce, they took their evaluation of labor-led politicians to opinion leaders throughout the state. Chamber staff men visited 104 of Missouri's 114 counties, and in face to face conversations discussed legislative voting records with newspaper editors, bankers, professional men and other community leaders. In talking with the grass-root community leaders, emphasis was placed on electing the best-qualified persons to the state Assembly, regardless of political party, and of knowing where the candidate stood on issues affecting business and the economy.

- (b) *Political Education*—Manufacturers Association of Syracuse has developed and sponsors "Seminars on Practical Politics," developed with the help of local politicians of both parties. Training is based on the realities of political action at all levels. Seminars include two-day intensive training of plant leaders, in which political figures take part, and a series of 11 two-hour in-plant seminars. Manuals and training materials, including slide films

have been developed by the group.

A similar workshop approach is used in the Associated Industries of Massachusetts program, "Practical Politics."

Many companies have developed intensive "get out the vote campaigns," and at Aerojet General management has gone a step further, encouraging its employees to make contributions to the party or the candidate of their choice.

- (c) *Political Participation*—company personnel can be encouraged to do some of the hard work of party politics in the party of their choice, so that businessmen are providing more and more leadership at the local level, working as individual citizens to express their own philosophies in effective political action.

"As a manager," declares GE's J. S. Parker, vice president for Public and Employee Relations, "the businessman should see that everyone associated with the business—as customer, employee, share owner, community neighbor or voting citizen—is provided with the facts about those issues that affect the ability of business to serve the people of the United States. This can and should be done on a non-partisan basis, as a company effort."

"As a private citizen, the businessman should work for and contribute to the party of his choice, building support for those candidates that best represent his personal point of view."

Few business leaders would not agree that the businessman—as a private citizen—should take an active part in the selection and support of candidates. Unfortunately, too few of us do this.



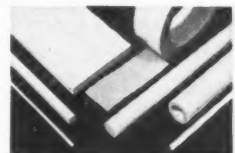
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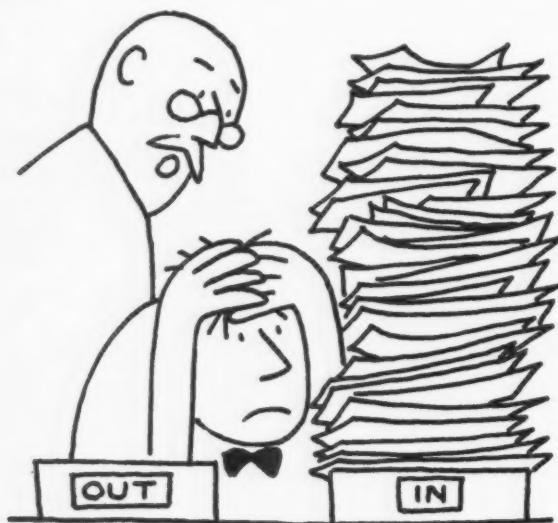
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Of paying all those crushing bills that multiply the strain."



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Business Tips

By C. H. Scott McAlister

Instructor in Insurance

School of Business Administration, University of Connecticut

Chronological Stabilization Insurance

♦ TO have an insurance plan, certain characteristics are deemed necessary. Among those suggested as necessary are a large and homogeneous group of exposure units, a definite and fortuitous loss, the chance of loss predictable, the possible loss large enough to cause a hardship, a rate that the insured can afford, and unlikelihood of loss to all exposure units at the same time.

Strikes, unforeseen technological obsolescence, shrinkage of investment value, and the conversion of foreign currency at unfavorable rates are some risks generally conceded to be beyond the scope of an insurance scheme.

Under the name Chronological Stabilization Insurance,¹ coverage would be offered, against these and other similar risks, to assist greater stabilization of business earnings.

Apparently, such coverage is currently available.²

The basic precept is that some risks historically uninsurable, may in fact be insurable, and that insurance, rather than individual company reserves, might better treat such risks.

Risk is uncertainty about loss. Insurance substitutes small and certain losses (premiums) for large and uncertain losses. Insurance distributes these costs of losses among insureds. Generally, to be able to predict losses with some accuracy, a large and homogeneous group of exposure units is necessary. On these loss predictions rates are based. The more accurate the prediction, the more equitable the rate, both to the insured and insurer.

The idea that these heretofore uninsurable risks are now insurable, is based on the concept of long run averaging. Thus, the losses suffered by a given company or industry as the result of strikes and other contingencies might be predictable over a span of twenty to thirty years. With losses predictable they then, for insurance purposes, become ratable.

A rating plan for such insurance would be a variation of a retrospective

plan. Rates would be determined at the end of a policy period. To a large extent this means the insured makes his own rates. The total premium payable is subject to a maximum and a minimum amount. Without maximum and minimum premiums, the plan would simply be cost plus, with no advantage to the insured over accumulating reserves for such contingencies.

To remove the cost of insuring relatively small (relative to a given company's capacity to bear loss itself) losses, variations of a deductible might be incorporated in the policy. To avoid excessive cost to the insured, the insurance could be written on a participating basis.

Indemnification for financial loss is undoubtedly a motive for purchasing insurance. Substituting a small and certain loss for an uncertain one is another motive. Insurance as an aid to financial planning cannot be under-valued as another reason for purchasing insurance. When a company can remove cost of a possible risk from the realm of the unknown and substitute, for that same contingency, a fixed and guaranteed cost (within maximum and minimum limits), it has achieved a superior planning position.

Fixed costs have been increased at the expense of what may be an extremely variable one. The nature of this variable makes its reduction desirable. For example, fire losses of a company for a given year may range from absolute zero to the total cost of plant and equipment. The losses from technological obsolescence may vary almost as much.

With insurance, the company may now allocate the difference between the relatively fixed cost of a premium and reserves, to more productive use. Reserves are normally invested in high grade securities which are apt to return little in comparison with reinvested earnings or paid dividends.

Another advantage of using insurance to meet such risks involves taxes and loss carry over provisions.

The insurance premium is paid with pre-tax dollars, and deductible as an expense of doing business. The reserve created from a company's earnings consists of dollars on which income tax has been paid.

There exists the possibility of applying a loss, paid out of a company's reserves, against income for a given period. While this holds a certain appeal, it does not necessarily follow that, even with carry back and carry forward provisions, the income against which the loss is applied will be of sufficient size to absorb the total loss. This might suggest that an insurance plan would be better.

In the final analysis, the success or failure of this provocative insurance concept will rest on predictability and ratability. The consumer of insurance can give added impetus to the development of this coverage, if he feels it to be an addition to managements' tool kit.



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¹For an excellent and more technical discussion of this concept, see J. D. Long, "Stabilizing Income Through Insurance," BUSINESS HORIZONS, 1 (Winter, 1958), pp. 93-98.

²See "Chronological Stabilization Insurance: The Answer to Corporate Management," EMPIRE INSURANCE COMPANY, LIMITED, 283 Duckworth Street, St. John's, Newfoundland.

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Accounting Hints

The Importance of Cost Accounting to the Small Manufacturer

By F. PHILIP RAIMONDO

♦ WITH rising costs and increasing competition, the importance of maintaining adequate cost records becomes greater in importance whether it be in a large or small business.

In order for management of small business to be able to provide a sound pricing policy, it must have the tools to furnish the information desired.

In many instances, however, the manager of a small business is not usually in a position to know what accounting and costs records are needed to supply the necessary data, and therefore must rely on trained employees or outside technical help.

This brings up the problem of expense in maintaining a cost system. Due to the fact that cost accounting by its nature requires a greater amount of detail, it is often thought that its cost is prohibitive for a small enterprise. This is not necessarily so, and in fact there are some cost accounting techniques which can be introduced to small business which will certainly have a beneficial result without being prohibitively costly.

However, in order for a cost system to function properly, it should be easy and simple to understand and also flexible to meet changing conditions. It should be set up to fit the particular needs and operations of that specific business.

No matter what type of manufacturing is done, whether it be job order or continuous process, it is essential that material, labor and overhead be controlled and properly allocated in order to arrive at meaningful costs.

Cost System for Small Business

Let us now consider the first element of cost mentioned in the previous paragraph which is material.

In many of the small manufacturing plants material is very loosely controlled resulting in material costs inaccuracies. In order to correct these deficiencies of material control perpetual inventory records should be maintained.

From the purchase and receipt, to the withdrawal from stores, material should be properly recorded. The paper work should follow the movement of such material in a routine procedure.

Of course keeping perpetual inven-

tory records is not a substitute for the actual physical inventory taking, but it does away with taking a complete physical inventory for short periods, and still maintain a great degree of accuracy. It also helps to intelligently keep inventory requirements at the proper level with the most efficient use of capital investment.

Perpetual inventory records need not be kept in any particular form, however, it is essential that the supporting information be complete, or the purpose for which they were originally installed will be defeated.

Figuring Labor Costs

Now let us consider the element of labor as a cost in manufacturing a product. It is imperative to have proper labor and payroll records which provide equitable allocation to specific jobs, processes, etc.

Hourly employees should be required to "punch the clock", and in jobbing

plants it is necessary to keep time tickets showing number of hours and minutes each direct laborer spends on each production order. Labor costs should also be distinguished between direct and indirect charges. Direct labor is labor cost incurred directly on specific jobs or processes, whereas indirect labor costs include wages paid for activities not directly assignable to any particular item or process.

In jobbing plants direct labor costs to specific jobs are summarized from weekly time tickets, and indirect labor is usually applied based on overhead rates. In order to obtain direct labor costs on specific jobs and insure accurate overhead rates, it is important that labor be divided into the proper category of either direct or indirect.

Determining Overhead

This brings us into our third element of cost which is overhead and determination of overhead rate.

Methods of apportioning production overhead costs should reflect all factors influencing the situation at hand. Charges should be made to those operations which benefit from the incurrence of the cost and those departments which cause the cost to be incurred.

The procedures in determining overhead rates will differ depending upon the types of cost involved and the de-

(Continued on page 52)

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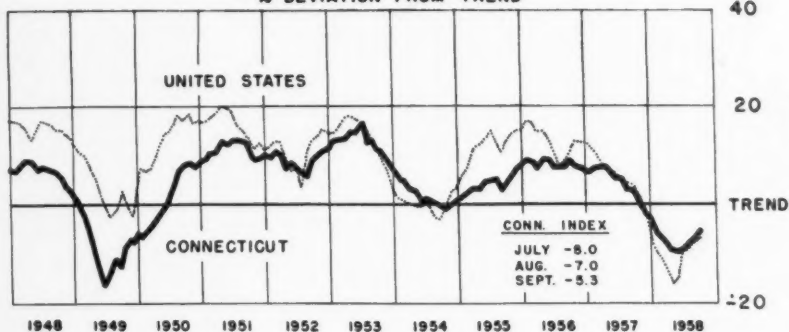
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Business Pattern

A comprehensive summary of the ups and downs of industrial activity in Connecticut for the thirty day period ending on the 15th day of the second previous month.

Recovery Continues In September

INDUSTRIAL ACTIVITY—CONN. vs. UNITED STATES
% DEVIATION FROM TREND



◆ THE Connecticut Index of Industrial Activity improved for the third straight month in September. The index moved up nearly two percentage points and reached 5.3% below trend, the highest level of activity since last December.

Favorable gains in manufacturing employment and average weekly hours were chiefly responsible for the continued advance in the business index.

The recovery in Connecticut now seems to be general in scope with the three principal components of the index showing rising trends for several months.

Nationally, business also continued its recovery with widespread improvement. The U. S. Index of Industrial Activity for September was at an estimated 6.5% below trend.

The greatest gains in the recovery process have appeared in steel, auto, petroleum, paperboard and lumber production.

Hours

Average weekly hours worked in factories continued to improve in September, both in the State and across the Nation.

The factory workweek in Connecticut increased for the fourth successive month, moving up six tenths of an hour to 40.2 in September. This was the longest workweek for the State since last October, and the first time this year that the workweek has been above 40 hours. Weekly hours now

showed a September level of 39.8 hours and marked the fifth straight month of improvement. The United States low occurred in April when the workweek was 38.3 hours.

Earnings

The impact of the increased hours brought weekly earnings to a record high for Connecticut in September. With hourly earnings remaining unchanged, the weekly figure moved up \$1.30 from August to \$87.23. Previously, the highest earnings for the State were \$86.51, recorded in December 1956.

Nationally, increases in both the workweek and hourly earnings combined to lift the weekly earnings total to a record level of \$85.17.

Business Expansion

In the latest survey released by the U.S. Department of Commerce, the estimated totals of business spending for new plant and equipment have been revised upward for the 4th quarter of 1958. Spending at an annual rate of \$31 billion is forecast for both the 4th quarter and the year as a whole.

Among the various industries, only the railroads anticipated no upturn in expenditures in the last quarter. Public utilities, on the other hand, increased

(Continued on page 52)

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IT'S MADE IN CONNECTICUT

EDITOR'S NOTE: This department, giving a partial list of peace-time products manufactured in Connecticut, seeks to facilitate contacts between prospective purchasers in domestic or foreign markets and producers. It includes only those listings purchased by Connecticut manufacturers. Interested buyers may secure further information by writing this department. Listing rates (12-time insertions only): \$6.00 for single listing. When several listings are ordered for insertion at the same time following multiple rates apply: \$10 for two and \$2.00 each beginning with the third.

(Advertisement)

Accounting Forms		Aluminum Castings		Bag Sealing Machines	
Baker-Goodyear Co The	Branford	Eastern Malleable Iron Company	The Naugatuck	Derby Sealers Inc	Derby
Accounting Machines		Newton-New Haven Co	688 Third Avenue West Haven	Bags—Paper	
Underwood Corporation	Bridgeport	Aluminum Die Castings		Continental Can Co Paper Container Div	Kensington
Adding Machines		Mt Vernon Die Casting Corporation	Stamford	Bakelite Moldings	
Underwood Corporation	Bridgeport	Stewart Die Casting Div. Stewart-Warner Corp.	Bridgeport	Watertown Mfg Co The	Watertown
Adhesives		Aluminum Extrusions		Balls	
Polymer Industries Inc	Springdale	Bridgeport Brass Company	Bridgeport	Abbott Ball Co The (steel bearing and burnishing)	Hartford
Raybestos Division Raybestos-Manhattan Inc	Bridgeport	Aluminum Forgings		Hartford Steel Ball Co The (steel bearing and burnishing, brass, bronze, monel, stainless aluminum)	Hartford
Advertising Mats		Bridgeport Brass Company	Bridgeport	Kilian Steel Ball Corp The	Hartford
Lockwood Sons Inc Wm H	Hartford	Consolidated Industries Inc	West Cheshire	Pioneer Steel Ball Company Inc (steel for bearings, burnishing, graining; also brass, bronze and stainless)	Unionville
Advertising Plates		Scovill Manufacturing Company	Waterbury 91	Superior Steel Ball Co Inc (steel bearings & burnishing material)	New Britain
Lockwood Sons Inc Wm H	Hartford	Aluminum Ingots		Banbury Mixers	
Advertising Specialties		Lapides Metals Corp	New Haven	Farrel-Birmingham Company Inc	Ansonia
H C Cook Co The 32 Beaver St	Ansonia	Aluminum Sand Castings		Barrels	
Aerosol Products		Bridgeport Deoxidized Bronze Corp	Bridgeport	Abbott Ball Co The (burnishing and tumbling)	Hartford
Bridgeport Brass Company	Bridgeport	Aluminum—Sheet and Rod		Eabec Barrel Finishing Corp (burnishing & tumbling)	Byram
Air Compressors		Scovill Manufacturing Company	Waterbury	Hartford-Steel Ball Co The (tumbling)	Hartford
Spencer Turbine Co The	Hartford	Aluminum—Sheets & Coils		Baskets—Wire	
Air-Conditioning		United Smelting & Aluminum Co, Inc	New Haven	Rollack Inc	Fairfield
Dunham-Bush Inc	West Hartford	Ammunition		Bearings	
Norwalk Airconditioning Corp	South Norwalk	Arma and Ammunition Div Olin	Mathieson	Barden Corporation The (ball)	Danbury
Air Ducts		Chemical Corp	New Haven	Fafnir Bearing Co (ball)	New Britain
Wiremold Co The (Retractable)	Hartford	Anodic Coating		Marlin-Rockwell Corporation	Plainville
Air Heaters—Direct Fired		Fenn Mfg Co The (Dow 17)	Newington	New Departure Div of General Motors (ball)	Bristol
Peabody Engineering Corporation	Stamford	Anodizing		Norma-Hoffman Bearings Corp (ball and roller)	Stamford
Air Impellers		Aluminum Finishing Co.	Bridgeport	Bellows Assemblies	
The Torrington Manufacturing Co	Torrington	Comco Inc Div of Enthone Inc	New Haven	Bridgeport Thermostat Div	Robertshaw—
Aircraft		Leed Co The H A	Hamden	Fulton Controls Co	Milford
Sikorsky Aircraft Division United Aircraft Corporation (helicopters)	Bridgeport	Anodizing Equipment		Bellows—Metallic	
Aircraft Accessories		Comco Inc Div of Enthone Inc	New Haven	Bridgeport Thermostat Div	Robertshaw—
Chandler Evans Div Pratt & Whitney Co Inc	Newington	Asbestos		Fulton Controls Co	Milford
(Piston and Jet Engine Accessories—Carburetors, Fuel Controls, Afterburner Regulators, Pumps, Servomechanisms and Protek Plugs)	West Hartford	Auburn Manufacturing Company	The (gaskets, packings, wicks)	Bells	
Consolidated Controls Corp	Bethel	Asarcon Bronze		Bevin Brothers Mfg Co	East Hampton
Fenn Mfg Co The (Hardened and Ground Gears assemblies)	Newington	Derby Castings Company, The	Seymour	N N Hill Brass Co The	East Hampton
Gabb Special Products Inc (filler caps—pressure fuel servicing systems)	Windsor Locks	Knapp Foundry Company Inc (bushing & bearing stock)	Guilford	Belt Fasteners	
Hamilton Standard Div United Aircraft Corp (propellers and other aircraft equipment)	Windsor Locks	Assemblies—Small		Saling Manufacturing Company (patented self-aligning)	Unionville
Aircraft Engine Timing Tools		Barnes Co The Wallace Div Associated Spring Corp	Spring	Belting	
Gabb Special Products Inc	Windsor Locks	Greist Manufacturing Co The	New Haven	Hartford Belting Co	Hartford
Aircraft Engine Details		Hartford Machine Screw Co Div of Standard Screw Co	Hartford	Russell Mfg Co (High Speed Endless, Laminated Rubber, Roll Stock all types)	Middletown
Hartford Machine Screw Co Div of Standard Screw Co	Hartford	Stanley Humason Inc	Forestville	Bends—Pipe or Tube	
Aircraft Engines		J H Sessions & Son	Bristol	National Pipe Bending Co The	160 River St New Haven
Lycoming Division Avco Manufacturing Corp	Stratford	Audio-Visual Equipment		Bicycle Coaster Brakes	
Pratt & Whitney Aircraft Div United Aircraft Corp (aircraft)	East Hartford	Victor Animatograph Corp a div of Kalart (16mm sound and silent projectors; 35mm filmstrip and sound slide film projectors)	Plainville	New Departure Div General Motors Corp	Bristol
Aircraft Fasteners		Automatic Buffing & Polishing Machines		Bicycle Sundries	
Bland Burner Co The Thread Products Div	Hartford	Harper Buffing Machine Company The	East Hampton	New Departure Div General Motors Corp	Bristol
Hartford Machine Screw Co Div of Standard Screw Co	Hartford	Auto Cable Housing		Blackening Salts for Metals	
Scovill Manufacturing Company (PANELOC Aircraft Fasteners)	Waterbury	Wiremold Company The	Hartford	Enthone Inc	New Haven
Aircraft Instruments		Automatic Assembly Machines		Mitchell-Bradford Chemical Co	Milford
Gorn Electric Company Inc	Stamford	Sperry Products Inc	Danbury	Black Oxide Finishing	
Aircraft—Repair & Overhaul		Automatic Control Instruments		Black Oxide Inc	New Britain
Airport Department Pratt & Whitney Aircraft Division	Rentschler Field East Hartford	Bristol Co The (temperature, pressure, flow, humidity, time)	Waterbury	Black Oxide Treatment	
Aircraft Studs and Bolts		Automobiles—Children's		Bennett Metal Treating Co The	Elmwood
Hartford Machine Screw Co Div of Standard Screw Co	Hartford	Powercar Company	Mystic	1045 New Britain Ave	
Aircraft Test Equipment		Automotive Bodies		Blades	
United Manufacturing Co Division of The W L Maxson Corp	Hamden	Metropolitan Body Company	Bridgeport	Capewell Manufacturing Company Metal Saw Division (hack saw and band saw)	Hartford
Alumilite Aluminum Sheets		Automotive Parts		Blocks	
Leed Co The H A	Hamden	Bridgeport Thermostat Div	Robertshaw—	Howard Company (cupola fire clay)	New Haven
Aluminum Bronze Castings		Fulton Controls Co (automobile thermostats)	Milford	Blower Fans	
Knapp Foundry Company Inc	Guilford	Eis Manufacturing Co (Hydraulic and Mechanical)	Middletown	Colonial Blower Company	Plainville
		Raybestos Division of Raybestos-Manhattan Inc (Brake Lining, Lined Brake Shoes, Clutch Facings, Automatic Transmission Parts, Fan Belts, Radiator Hose and Miscellaneous Rubber)	Bridgeport	Spencer Turbine Co The	Hartford (Advt.)
		Automotive & Service Station Equipment			
		Scovill Manufacturing Company (Canned Oil Dispensers)	Waterbury 91		
		Automotive Tools			
		Eis Manufacturing Company	Middletown		

I T ' S M A D E I N C O N N E C T I C U T

Blower Systems
Colonial Blower Company Plainville
Ripley Co Middletown

Blower Wheels
Torrington Manufacturing Company The Torrington

Blueprints and Photostats
Joseph Merritt & Co Hartford

Boilers
Bigelow Co The New Haven

Bolts and Nuts
Clark Brothers Bolt Co Milldale

Boring Tools
Atrax Company The (solid carbide) Newington

Box Board
Bird & Son Inc New Britain
Continental Can Co., Boxboard and Folding Carton Division Montville
Federal Paper Board Co Inc

Montville, New Haven & Versailles
Lydall & Foulds Paper Co The Manchester
New Haven Board & Carton Co The New Haven

Robertson Paper Box Co Montville

Boxes
Bird & Son Inc (corrugated, solid fibre, cleated containers) New Britain
Connecticut Container Corporation New Haven
Continental Can Co., Fibre Drum and Corrugated Box Division Portland

Merriam Mfg Co (steel cash, bond, security, fitted tool and tackle boxes) Durham
Middletown Mfg Co (metal) Middletown
Warner Bros Co The (Acetate, Paper, Acetate and Paper Combinations, Counter Display, Setup) Bridgeport

Boxes and Crates
City Lumber Co of Bridgeport Inc The Bridgeport

Boxes—Folding
Leshine Carton Co Branford

Boxes—Metal
Merriam Mfg Co (Bond and Security, Cash and Utility, Personal Files and Drawer Safes) Durham

Scovill Manufacturing Company (aluminum, brass, bronze, copper-cosmetic, drug, hair pin, ointment, pill, powder, rouge, vanity) Waterbury

Boxes—Paper—Folding
Atlantic Carton Corp Norwich
Bridgeport Paper Box Co Bridgeport
Carpenter-Hayes Paper Box Co Inc East Hampton

Continental Can Co., Boxboard and Folding Carton Division Montville
Curtis & Sons Inc S Sandy Hook
Folding Cartons Incorporated (paper, folding) Versailles

H J Mills Inc Bristol
National Folding Box Co Div Federal Paper Board Co Inc (paper folding) New Haven and Versailles

New Haven Board & Carton Co The New Haven
Robertson Paper Box Co Montville
Warner Bros Co The Bridgeport

Boxes—Paper—Setup
Bridgeport Paper Box Co Bridgeport
Heminway Corporation The Waterbury
H J Mills Inc Bristol
Strouse Adler Company The New Haven
Warner Bros Co The Bridgeport

Brake Cables
Eis Manufacturing Co Middletown

Brake Linings
Raybestos Division of Raybestos-Manhattan Inc (Automotive and Industrial) Bridgeport
Russell Mfg Co (all types, Fused Fabric, Durak, Wireback, Extruded) Middletown

Brake Service Parts
Eis Manufacturing Co Middletown

Brass & Bronze
American Brass Co The (sheet, wire, rods, tubes) Waterbury
Bridgeport Rolling Mills Company (coil, sheet, strip) Bridgeport
Bridgeport Brass Company (sheet, rod, wire and tubing) Bridgeport
Bristol Brass Corp The (sheet, wire, rods) Bristol

Chase Brass & Copper Co Waterbury
Miller Company The (phosphor bronze and brass in sheets, strips, rolls) Meriden
Plume & Atwood Mfg Co The (sheet, wire, rod) Thomaston

Scovill Manufacturing Company Waterbury 91
Seymour Mfg Co The (strip, sheet & wire) Seymour
Tinsheet Metals Co The (sheets and rolls) Waterbury

Western Brass Mills Division of Olin Industries Inc (sheet, strip) New Haven

Brass & Bronze Ingot Metal
Mitchell Smelting & Refining Co Inc Botsford
Plume & Atwood Mfg Co The Thomaston
Whipple and Choate Company The Bridgeport

Brass, Bronze, Aluminum Castings
Derby Castings Company, The Seymour
Victors Brass Foundry Inc Guilford

Brass Goods
American Brass Company The Waterbury
Plume & Atwood Mfg Co The (to order) Waterbury

Rostand Mfg Co The (Ecclesiastical Brass Wares) Milford

Scovill Manufacturing Company (to order) Waterbury 91

Western Brass Mills Div Olin Mathieson Chemical Corp New Haven

Brass Mill Products
American Brass Company The Waterbury
Bridgeport Brass Co Bridgeport
Chase Brass & Copper Co Waterbury

Plume & Atwood Mfg Co The Thomaston
Scovill Manufacturing Company Waterbury 91
Western Brass Mills Div Olin Mathieson Chemical Corp New Haven

Brick-Building
Donnelly Brick Co The New Britain

Bricks—Fire
Howard Company New Haven
Mullite Works Refractories Div H K Porter Shelton

Bright Wire Goods
Sargent & Company (Screw Eyes, Screw Hooks, Cup Hooks, Hooks and Eyes, C H Hooks) New Haven

Broaching
Hartford Special Machinery Co The Hartford

Bronze & Aluminum Castings
Knapp Foundry Company Inc (rough or machined) Guilford

Bronze Sand Castings
Bridgeport Deoxidized Bronze Corp Bridgeport

Brooms—Brushes
Fuller Brush Co The Hartford

Buckles
B Schwanda & Sons Staffordville
Hawie Mfg Co The Bridgeport
North & Judd Manufacturing Co New Britain
Patent Button Co The Waterbury
Risdon Manufacturing Co John M Russell Div Naugatuck

Buffing & Polishing Compositions
Apothecaries Hall Company Division The Hubbard Hall Chemical Company Waterbury

Lea Mfg Co Waterbury

Building Materials
City Lumber Co of Bridgeport Inc Bridgeport

Burners
Plume & Atwood Mfg Co The (kerosene oil lighting) Thomaston

Burners—Automatic
Peabody Engineering Corporation Stamford

Burners—Coal and Oil
Peabody Engineering Corporation (Combined) Stamford

Burners—Gas
Peabody Engineering Corporation (Blast Furnace) Stamford

Burners—Gas and Oil
Peabody Engineering Corporation (Combined) Stamford

Burners—Refinery
Peabody Engineering Corporation (For Gas and Oil) Stamford

Burnishing
Abbott Ball Co The (Burnishing Barrells and Burnishing Media) Hartford
Pioneer Steel Ball Company Inc (balls, cones, other metallic shapes) Unionville

Burs
Atrax Company The (carbide) Newington
Pratt & Whitney Co Inc West Hartford

Busways
Distribution Assemblies Department General Electric Co Plainville

Buttons
B Schwanda & Sons Staffordville
Frank Parizek Manufacturing Co The Putnam
Patent Button Co The Waterbury
Scovill Manufacturing Company (Uniform and Tack Fasteners) Waterbury 91
Waterbury Companies Inc (Uniform and Fancy Dress) Waterbury

Cabinet Work
Hartford Builders Finish Co Hartford

Cable—Asbestos Insulated
Rockbestos Products Corp New Haven

Cable—Interlocked Armor
General Electric Company Bridgeport

Cable—Nonmetallic Sheathed
General Electric Company Bridgeport

Cable—Service Entrance
General Electric Company Bridgeport

Cages
Andrew B Hendryx Co The (bird and animal) New Haven

Cams
American Cam Company Inc Hartford
Hartford Special Machinery Co The Hartford
Rowbottom Machine Company Inc Waterbury

Cams, 2 Dimensional
Mallory Industries, Inc. West Hartford
Parker-Hartford Corporation Hartford

Cams, 3 Dimensional
Mallory Industries, Inc. West Hartford
Parker-Hartford Corporation Hartford

Canvas Products
F B Skiff Inc Hartford

Capacitors
Electro Motive Mfg Co Inc The (mica & trimmer) Willimantic

Carbide Drawing Dies
State Products Co (eyelet special shape dies) Oakville

Carbide Shape Dies
Thomaston Tool & Die Co (any form) Thomaston

Carbide Tools
Atrax Company The (solid) Newington
Precision Tool & Die Co Waterbury

Carbon Pile Type Resistors
Engineered Metals Manchester

Card Clothing
Standard Card Clothing Co The (for textile mills) Stafford Springs

Card Indexes
Wassell Organization Inc Westport

Carpenter's Tools
Sargent & Company (Planes, Squares, Plumb Bobs, Bench Screws, Clamps and Saw Vices) New Haven

Carpet Cushion
B F Goodrich Sponge Products Division Shelton

Carpets and Rugs
Bigelow-Sanford Carpet Co Thompsonville

Carton Closure Equipment
Better Packages Inc ("Tape-O-Matic," "Better Pack") Shelton

Casters
Bassick Company The (Industrial and General) Bridgeport

Castings
Connecticut Foundry Co (grey iron) Rocky Hill
Connecticut Malleable Castings Co (malleable iron castings) New Haven
Ductile Iron Foundry Inc Stratford
Eastern Malleable Iron Company The (malleable iron, metal and alloy) Naugatuck
Farrel-Birmingham Company Inc (Mechanite, Nodular, Iron, Steel) Ansonia
H R Engineering Laboratories Inc (centrifugal, steel mold) East Haddam
Hartford Electric Steel Corp The (carbon, low alloy and stainless steel castings) Hartford
Malleable Iron Fittings Co (malleable iron and steel) Branford
McLagon Foundry Co (grey iron) New Haven
Newton-New Haven Co (zinc and aluminum) 688 Third Ave West Haven
Nutmeg Crucible Steel Co (steel) Branford
Plainville Casting Company (gray, alloy and high tensile irons) Plainville
Producto Machine Company The Bridgeport
Sako Aluminum Castings Inc Fairfield
Scovill Manufacturing Company (Brass & Bronze) Waterbury 91
Turner & Seymour Mfg Co The (gray iron, semi steel and alloy) Torrington
Union Mfg Co (grey iron & semi steel) New Britain

Waterbury Foundry Company The (highway & sash weights) Waterbury
Wilcox Crittenden & Co Inc (gray iron and brass) Middletown
(Adv.)

I T ' S M A D E I N C O N N E C T I C U T

Castings—Investment		Coatings		Copper Castings	
Arwood Precision Casting Corp	Groton	Bischoff Chemical Corporation (Peelable Plastic Coatings)	Ivoryton	Knapp Foundry Company Inc	Guilford
Cements—Refractory		Coil Winding Machines		Copper Sand Castings	
Mullite Works Refractories Div H K Porter Co Inc	Shelton	Boesch Mfg Co Inc	Danbury	Bridgeport Deoxidized Bronze Corp	Bridgeport
Centerless Grinding		Coils—Electric		Copper Sheets	
Winsted Centerless Co	Winsted	Bittermann Electric Company	Canaan	American Brass Company The	Waterbury
Centers		Coils—Pipe or Tube		New Haven Copper Co The	Seymour
Ready Tool Co The (anti friction, carbide tipped, high speed)	Stratford	National Pipe Bending Co The	New Haven	Copper Shingles	
Centrifugal Pumps		Whitlock Manufacturing Co The	Hartford	New Haven Copper Co The	Seymour
Hamco Inc (gasoline or electric driven)	New Haven	Cold Molded Electrical Insulation		Copperware	
Cermets		Meriden Molded Plastics	Meriden	Bridgeport Brass Company (cooking utensils)	Bridgeport
Russell Mfg Co (for missiles, and for friction materials)	Middletown	Commercial Heat Treating		Copper Water Tube	
Chain		A F Holden Company The	West Haven	American Brass Company The	Waterbury
Riadon Manufacturing Co John M Russel Div	Naugatuck	Commercial Truck Bodies		Bridgeport Brass Co	Bridgeport
Turner and Seymour Mfg Co The (weldless, sash, jack, safety, furnace, universal, lion and cable)	Torrington	Metropolitan Body Company	Bridgeport	Cord	
Chain—Bead		Compacts		Russell Mfg Co The (marine & aero shock)	Middletown
Auto-Swage Products Inc	Shelton	Scovill Manufacturing Company (powder and rouge)	Waterbury	Cords—Asbestos Insulated	
Bead Chain Mfg Co The	Bridgeport	Comparators		General Electric Company	Bridgeport
Chain—Power Transmission and Conveying		Pratt & Whitney Co Inc (Electro-limit and Air-O-Limit)	West Hartford	Cords—Braided	
Whitney Chain Company	Hartford	Compressors		General Electric Company	Bridgeport
Chairs		Norwalk Company Inc (high pressure air and gas)	South Norwalk	Cords—Heater	
The Hitchcock Chair Company	Riverton	Computers		General Electric Company	Bridgeport
Chemical Manufacturing		Reflectone Corporation The	Stamford	Cords—Portable	
Carwin Company The	North Haven	Concrete Products		General Electric Company	Bridgeport
Chemicals		Plastricrete Corp	Hamden	Cord Sets—Electric	
Apothecaries Hall Company Division	Waterbury	Condenser and Heat Exchanger Tubes		General Electric Company	Bridgeport
The Hubbard Hall Chemical Company	Shelton	Bridgeport Brass Company	Bridgeport	Seeger-Williams Inc	Bridgeport
Axton-Cross Co	North Haven	Scovill Manufacturing Company	Waterbury	Cork Cots	
Macalaster Bicknell Company	New Haven	Cones		Sonoco Products Co (Climax-Lowell Div)	Mystic
MacDermid Incorporated	Waterbury	Sonoco Products Co (Climax-Lowell Div)	Mystic	Correspondence Files	
Naugatuck Chemical Division	United States	(Paper)		Wassell Organization Inc	Westport
Rubber Co	Naugatuck	Connector		Corrugated Box Manufacturers	
Pfizer & Co Inc Chas	Groton	Gorn Electric Co Inc (precision miniature electrical and printed circuit)	Stamford	Connecticut Container Corporation	New Haven
United States Chemical Corp (maintenance and powdered hand soap, floor waxes, cleaners, disinfectants, fuel additives)	New Haven	Consulting Engineers		Corrugated Containers Inc	Hartford
Chemicals—Agriculture		McNeal J D (Electrical and Electronic)	New Haven	Corrugated Shipping Cases	
Naugatuck Chemical Division	United States	Stanley P Rockwell Co Inc The (Consulting)	Hartford	Connecticut Container Corporation	New Haven
Rubber Co (insecticides, fungicides, weed killers)	Naugatuck	Continuous Mill Gages		Continental Can Co, Fibre Drum and Corrugated Box Division	Portland
Chemists—Analytical and Consulting		Pratt & Whitney Co Inc	West Hartford	D L & D Container Corp	New Haven
Bridgeport Testing Laboratory Inc	Bridgeport	Contract Machining		Cosmetic Containers	
Christmas Light Clips		Laurel Mfg Co Inc (Precision Production Small Parts)	Plainville	Eyelet Specialty Co The	Waterbury
Foursome Manufacturing Co	Bristol	Malleable Iron Fittings Company	Branford	Plume & Atwood Mfg Co The (metal)	Thomaston
Chromium Plating		Contract Manufacturers		Scovill Manufacturing Company	Waterbury
Chromium Corp of America	Waterbury	Fenn Mfg Co The (Precision Machine Work)	Newington	Cosmetics	
Chromium Process Company The	Shelton	Greist Mfg Co The (metal parts and assemblies)	New Haven	J B Williams Co The	Glastonbury
Chucks		Hartford Machine Screw Co Div of		Cotton and Asbestos Wicking	
Cushman Chuck Co The	Hartford	Standard Screw Co	Hartford	Bland Burner Co The	Hartford
Jacobs Manufacturing Co The	West Hartford	Merriam Mfg Co (production runs—metal boxes and containers to specifications)	Durham	Counting Devices	
Union Manufacturing Company	New Britain	Plume & Atwood Mfg Co The (metal parts and assemblies)	Thomaston	Veeder-Root Inc	Hartford
Chucks—Drill		Scovill Manufacturing Company (metal parts and assemblies)	Waterbury 91	Couplings	
Jacobs Manufacturing Co The	West Hartford	J H Sessions & Son	Bristol	Scovill Manufacturing Company (hose and tube)	Waterbury
Chucks & Face Plate Jaws		Controllers		Crushers	
Cushman Chuck Co The	Hartford	Bristol Company The	Waterbury	Farrel-Birmingham Company Inc (Stone and Ore)	Ansonia
Union Mfg Co	New Britain	Manning Maxwell & Moore Inc	Stratford	Cups—Paper	
Chucks—Power Operated		Controls—Remote		Continental Can Co Paper Container Div	Kensington
Cushman Chuck Co The	Hartford	Panish Controls (Remote Controls for Marine & Aeronautic Applications)	Bridgeport	Cushioning for Packaging	
Union Manufacturing Company	New Britain	Controls—Hydraulic Remote		Gilman Brothers Co The	Gilman
Circuit Breakers		Sperry Products Inc	Danbury	Cutters	
Circuit Protective Devices Dept., General Electric Co.	Plainville	Converters DC to AC		Atrax Company The (solid carbide)	Newington
Clay		Electric Specialty Co	Stamford	Mitrametric Co The (ground pinion)	Torrington
Howard Company (Fire Howard "B" and High Temperature Dry)	New Haven	Conveyor Systems		Pratt & Whitney Co Inc (Milling Cutters all types)	West Hartford
Cleaning Compounds		Hayes-Te Equipment Corp Connecticut Conveyor Division (Conn-Veyor)	Unionville	Cutting & Creasing Rule	
Enthone Inc (Industrial)	New Haven	Leeds Conveyor Mfg Co The	East Haven	Bartholomew Co H J	Bristol
MacDermid Incorporated	Waterbury	Production Equipment Co	Meriden	Decalcomanias	
Clock Mechanisms		Copper		Sirocco Screenprints	New Haven
Lux Clock Mfg Co The	Waterbury	American Brass Corp The (sheet, wire, rods, tubes)	Waterbury	Deep Hole Drilling & Reaming	
Clocks		Bridgeport Brass Company (sheet, rod, wire and tubing)	Bridgeport	Hamden Deep Hole Drilling Co	Hamden
E Ingraham Co The	Bristol	Bristol Brass Corp The (steel)	Bristol	Advt.	
Seth Thomas Clocks	Thomaston	Chase Brass & Copper Co (sheet, rod, wire tube)	Waterbury		
United States Time Corporation The	Waterbury	Thinsheet Metals Co The (sheet and rolls)	Waterbury		
Clocks—Alarm		Western Brass Mills Div Olin	Waterbury		
Lux Clock Mfg Co The	Waterbury	Chemical Corp	New Haven		
Clocks—Automatic Cooking					
Lux Clock Mfg Co The	Waterbury				
Clutches					
Snow-Nabstedt Gear Corp The	New Haven				
Clutch Facings					
Raybestos Division of Raybestos-Manhattan Inc (Molded, Woven, Semi-metallic and Full-metallic)	Bridgeport				
Russell Mfg Co (rubber Shock Cord—all sizes and types)	Middletown				

ITS MADE IN CONNECTICUT

Deep Drawings Stanley Pressed Metal	New Britain	Drafting Accessories Joseph Merritt & Co	Hartford	Electrical Appliances Iona Manufacturing Company The	Manchester
Delayed Action Mechanism M H Rhodes Inc R W Cramer Company Inc The	Hartford Centerbrook	Drill Presses Townsend Mfg Co The H P	Elmwood	Electrical Conduit Fittings & Grounding Specialties Gillette-Vibber Company The	New London
Demineralizers Crystal Research Laboratories	Hartford	Drilling Machines Howe & Fant Inc (Turret Type) Pratt & Whitney Co Inc (Deep Hole)	East Norwalk West Hartford	Electrical Control Apparatus Plainville Electrical Products Co The	Plainville
Design Designers for Business and Industry (product design-appearance)	New Haven	Drilling and Tapping Machinery Hartford Special Machinery Co The	Hartford	Electrical Controls Monarch Electric Co (Allis Chalmers)	New Britain
Design & Drafting Service Smith & Winchester Mfg Co The	South Windham	Drop Forgings Atwater Mfg Co Billings & Spencer Co The Consolidated Industries Wilcox Crittenden & Co Inc	Plantville Hartford West Cheshire Middletown	Electrical Motors Electric Specialty Co Iona Manufacturing Company The U S Electrical Motors Inc	Stamford Manchester Milford
Diamonds—Industrial Diamond Tool and Die Works	Hartford	Druggists' Rubber Sundries Seamless Rubber Company The	New Haven	Electrical Recorders Bristol Co The	Waterbury
Dictating Machines Dictaphone Corporation Gray Manufacturing Company The SoundScriber Corporation The	Bridgeport Hartford New Haven	Duplicating Machines—Automatic Pratt & Whitney Co Inc	West Hartford	Electrical Relays and Controls Allied Control Co	Plainville
Die Cast Dies C & F Tool & Die Corp	Bridgeport	Duplicator Tables Regent Machine Co	Bridgeport	Electrical Switchboards Plainville Electrical Products Co The Pneumatic Applications Co	Plainville Simshury
Die Castings Newton-New Haven Co Inc	New Haven	Elastic Russell Mfg Co (rubber shock cord—all sizes and types)	Middletown	Electrical Test Equipment McNeal J D	New Haven
Die Casting Dies ABA Tool & Die Co Eastern Machine Screw Corp The Barclay Sta Weimann Bros Mfg Co The	Manchester Truman & New Haven Derby	Electric Cables General Electric Company (for residential, commercial and industrial applications) Rockbestos Products Corp (asbestos insulated)	Bridgeport New Haven	Electrical Wiring Systems Wiremold Co The	Hartford
Die Heads—Self Opening Eastern Machine Screw Corp The Geometric Tool Division, Greenfield Corp	New Haven New Haven	Electric Cord Springs Bristol Spring Manufacturing Co	Plainville	Electronic Parts Patent Button Company The Prentice Mfg Co The G E (stampings to customers' specifications) Terryville Manufacturing Co (Stampings to customer specifications)	Waterbury Kensington Terryville
Die Polishing Machinery Hartford Special Machinery Co The	Hartford	Electric Cords General Electric Company Rockbestos Products Corp (asbestos insulated)	Bridgeport New Haven	Electronics Gray Manufacturing Company The McNeal J D Middletown Mfg Co (metal cabinets, chassis panels, brackets, cases) Ripley Co Sturup Larabee & Warmers Inc	Hartford New Haven Middletown Middletown
Die Sets Pratt & Whitney Co Inc (Precision)	West Hartford	Electric Eye Control Ripley Company Inc	Middletown	Electroplating Giering Metal Finishing Inc National Sherardizing & Machine Co Waterbury Plating Company	Hamden Hartford Waterbury
Die Sinks Pratt & Whitney Co Inc	West Hartford	Electric Heating Elements Hartford Element Co	Hartford	Electroplating—Equipment & Supplies Apothecaries Hall Company Division The Hubbard Hall Chemical Company	Waterbury New Haven Waterbury
Dies Hoggson & Pettis Mfg Co The Mitrametric Co The (ground for gears)	141 Brewery St New Haven	Electric Ignition Harnesses General Electric Company	Bridgeport	Electroplating Processes & Supplies Enthone Inc	New Haven
Dies & Die Cutting Douglas Co Geo M	New Haven	Electric Insulation Case Brothers Inc Stevens Paper Mills Inc The	Manchester Windsor	Electrotypes Barnum-Hayward Electrotype Co Inc Lockwood Sons Inc Wm H New Haven Electrotype Div Electrographic Corp	New Haven Hartford New Haven
Dies—Steel Rule Acme Steel Rule Die Corporation	Waterbury	Electric Lighting Fixtures Fan-Craft Mfg Co (residential, church, post lanterns) Plume & Atwood Mfg Co The Wasley Products Inc	Plainville Thomaston Plainville	Elevators Eastern Elevator Co (passenger and freight) General Elevator Service Co	New Haven Hartford
Display Containers National Folding Box Co Div Federal Paper Board Co Inc (folding paperboard)	New Haven and Versailles	Electric Motor Controls Arrow-Hart & Hegeman Electric Co The	Hartford	Enameling Giering Metal Finishing Inc Waterbury Plating Company	Hamden Waterbury
Displays—Design & Production Ad-Craft Displays, Inc. Stifel & Kufra	Bloomfield New Britain	Electric Motor Winding Monarch Electric Co (3 phase industrial motors)	New Britain	Enamels & Lacquers Dobbs Chemical Co The (industrial finishes to customers' specifications)	New Haven
Displays—Metal Durham Mfg Co The (Designing & Mfg to customers' specifications) Merriam Mfg Co (Contract Work to Individual Specifications) Parsons Co Inc W A (custom designed)	Durham Durham	Electric Motor Repair B & J Electric Co	Ansonia	End Milling Cutters Pratt & Whitney Co Inc	West Hartford
Distribution Centers Distribution Assemblies Department, General Electric Co	Plainville	Electric Motors Monarch Electric Co (Allis Chalmers)	New Britain	End Mills Atrax Company The (solid carbide)	Newington
Door Closers Sargent & Company Yale & Towne Mfg Co The	New Haven Stamford	Electric Signs Berger Sign Co	Hartford	Engraving—Plastic and Nonferrous Metals Salisbury Products Inc	Lakeville
Doors Bilco Co The (metal, residential and commercial)	West Haven	Electric Switches Arrow-Hart & Hegeman Electric Co The	Hartford	Envelopes Curtis 1000 Inc United States Envelope Company Hartford Division	Hartford Hartford
Dowel Pins Allen Manufacturing Co The Hartford Machine Screw Co Div of Standard Screw Co Holo-Krome Screw Corp The	Hartford Hartford West Hartford	Electric Time Controls Cramer Controls Corporation The	Centerbrook	Envelopes—Stock and Special Continental Can Co Paper Container Div	Kensington
		Electric Underfloor Duct System General Electric Company	Bridgeport	Extractors—Tap Walton Company The	West Hartford (Advt.)
		Electric Wire General Electric Company Rockbestos Products Corp (asbestos insulated)	Bridgeport New Haven		
		Electric Wiring Devices Arrow-Hart & Hegeman Electric Co The	Hartford		

I T ' S M A D E I N C O N N E C T I C U T

Extruders and Accessories
Davis Electric Company (Ram Type Teflon Extruder) Wallingford
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp Mystic

Eyelets
American Brass Company The Waterbury
Mark Eyelet & Stamping Co (small-metal stampings) Wolcott
Platt Bros & Co The Waterbury
Plume & Atwood Mfg Co The Thomaston
Scovill Manufacturing Company Waterbury 91
Stevens Co Inc Waterbury
Waterbury Companies Inc Waterbury
Eyelets, Ferrules and Wiring Terminals
American Brass Company The Waterbury
Waterbury Companies Inc Waterbury

Eyelet Machine Products
American Brass Company The Waterbury
Ball & Socket Mfg Co The West Cheshire
Cold Forming Mfg Co The Waterbury
Plume & Atwood Mfg Co The Thomaston
Stevens Co Inc Waterbury
Waterbury Companies Inc Waterbury

Fabricators
Scovill Manufacturing Company (aluminum, brass, bronze, copper, steel) Waterbury

Fabrics
Russell Mfg Co (Teflon, Moulded Fabric, Bearing Surfaces, High Temperature Fabrics) Middletown

Fan Blades
Torrington Manufacturing Company The Torrington

Fancy Dress Buttons and Buckles
Waterbury Companies Inc Waterbury

Fans—Electric
General Electric Company Bridgeport
Monarch Electric Co (attic, industrial and ventilating) New Britain

Fasteners—Aircraft
Scovill Manufacturing Company (PANELOC Aircraft Fasteners) Waterbury

Fasteners—Laundry Proof
Scovill Manufacturing Company (GRIPPER snap fasteners) Waterbury

Fasteners—Slide & Snap
G E Prentice Mfg Co The Kensington
Scovill Manufacturing Company (GRIPPER zippers and GRIPPER snap fasteners) Waterbury

Felt
Auburn Manufacturing Company The (mechanical, cut parts) Middletown
Drycor Felt Company (paper makers and industrial) Staffordville

Felt—All Purpose
American Felt Co (Mill & Cutting Plant) Glenville
Chas W House & Sons Inc (Mills & Cutting Plant) Unlonville

Fenders—Boat
B F Goodrich Sponge Products Division Shelton
Fiber-glass Fabrication
Davis Co The E J West Haven

Fibre Board
Bird & Son Inc New Britain
Case Brothers Inc Manchester
Colonial Board Company Manchester
C H Norton Co The North Westchester
Stevens Paper Mills Inc The Windsor

File Cards
Standard Card Clothing Co The Stafford Springs

Filing Equipment
Wassell Organization Inc Westport

Filters—Fluid
Cuno Engineering Corp The Meriden

Filters—Liquid
Alsop Engineering Corporation Milldale

Finger Nail Clippers
H C Cook Co The Ansonia

Firearms
Colt's Patent Fire Arms Mfg Co Inc Hartford
Junior Screw Machine Products Inc West Haven
Marlin Firearms Co The New Haven
O F Mosberg & Sons Inc New Haven
Arms and Ammunition Div Olin Mathieson Chemical Corp New Haven

Firearms Accessories
Poly Choke Co Inc The East Hartford

Fire Alarm Systems
Fire-Lite Alarms Inc New Haven

Fire Hose
Fabrics Fire Hose (municipal and industrial) Sandy Hook

Fireplace Goods
John P Smith Co The (screens) New Haven

Fireworks
M Backes' Sons Inc Wallingford

Fishing Tackle
H C Cook The Ansonia

Flashlights
Bridgeport Metal Goods Mfg Co Bridgeport

Flat Springs
Bristol Spring Manufacturing Co Plainville
Gemco Manufacturing Co Inc Southington

Flexible Shaft Machines
Pratt & Whitney Co Inc West Hartford

Floot Switches
Gorn Electric Co Inc (for aircraft and commercial use) Stamford

Floor & Ceiling Plates
Beaton & Cadwell Mfg Co The New Britain

Fluorescent Lighting Equipment
Fullerton Manufacturing Corp Norwalk
Vanderman Manufacturing Co The Willimantic
Wiremold Company The Hartford

Foam Rubber
Armstrong Rubber Company The West Haven

Forgings
Atwater Manufacturing Company Plantsville
Billings & Spencer Company Hartford
Capewell Manufacturing Company Hartford
Clark Brothers Bolt Co Milldale
Consolidated Industries Inc West Cheshire
Heppenstall Co (all kinds and shapes) Bridgeport

Scovill Manufacturing Company (Non-ferrous) Waterbury 91

Foundries
Connecticut Malleable Castings Co (malleable iron castings) New Haven
Derby Castings Company, The Seymour
Ductile Iron Foundry Inc Stratford
Farrel-Birmingham Company Inc (Iron and Steel) Ansonia
Hartford Electric Steel Corp The Hartford
Malleable Iron Fittings Co (Malleable Iron and Steel Castings) Branford
Plainville Casting Company (gray, alloy and high tensile irons) Bridgeport
Producto Machine Company The Bridgeport
Smith & Winchester Mfg Co The South Windham

Turner & Seymour Mfg Co The (gray, iron, semi steel and alloy) Torrington
Union Mfg Co (gray iron & semi steel) New Britain

Wilcox Crittenden & Co Inc (iron, brass, aluminum and bronze) Middletown

Fountain Pens and Mechanical Pencils
Waterman Pen Company Inc Seymour

Foundry Riddles
John P Smith Co The New Haven

Four Slide Forms
Peck Spring Co Plainville

Frames—Hack Saw
Thompson & Son Co The Henry G New Haven

Fuel Oil Pump and Heater Sets
Peabody Engineering Corporation Stamford

Furnaces
Norwalk Airconditioning Corp South Norwalk

Gage Blocks
Pratt & Whitney Co Inc (Alloy steel and Carbide, Hoke and USA) West Hartford

Galvanizing
Malleable Iron Fittings Co Branford
Wilcox Crittenden & Co Inc Middletown

Gaskets
Auburn Manufacturing Company The (from all materials) Middletown
Raybestos Division of Raybestos-Manhattan Inc Bridgeport

Gaskets—Insulation
American Felt Co Glenville

Gas Range Conversion Burner
Holyoke Heater Corp of Conn Inc Hartford

Gas Scrubbers, Coolers and Absorbers
Peabody Engineering Corporation Stamford

Gauges
Bristol Co The (pressure and vacuum-recording automatic control) Waterbury
Helicoid Gage Division American Chain & Cable Co The (pressure and vacuum) Bridgeport

Manning Maxwell & Moore Inc Stratford
New Haven Trap Rock Co The Machine Products Div (Johan Universal and Special Purpose Gauge) North Branford
Pratt & Whitney Co Inc (Precision Measurement all types) West Hartford

Gears
Mitrametric Co The (blanked fine pitch) Torrington

Gears and Gear Cutting
Farrel-Birmingham Company Inc Ansonia
Fenn Mfg Co The Newington
Hartford Special Machinery Co The Hartford
United Gear & Machine Co Suffield

Generators
Hamco Inc (electric, portable, gasoline driven) New Haven

Glass Blowing
Macalaster Bicknell Company New Haven

Glass Cutters
Fletcher-Terry Co The Forestville

Greeting Cards
A D Steinbach & Sons Inc New Haven

Grinding
Farrel-Birmingham Company Inc (Roll and Cylindrical) Ansonia
Hartford Special Machinery Co The (gears, threads, cams and splines) Hartford
Horberg Grinding Industries Inc (Precision custom grinding; centerless, cylindrical, surfaces, internal and special) Bridgeport

Grinding Heads—Internal
Pratt & Whitney Co Inc (Pneumatic, High Speed) West Hartford

Grinding Machines
Farrel-Birmingham Company Inc (Roll) Ansonia
Pratt & Whitney Co Inc (Surface, Die, Gear and Cutter Grinders) West Hartford
Rowbottom Machine Company Inc (cam) Waterbury

Grommets
American Brass Company The Waterbury
Plume & Atwood Mfg Co The Waterbury

Guards for Machinery
Wheeler Co The G E New Haven

Hack and Band Saw Blades
Capewell Manufacturing Co The Hartford

Hair Hygiene Preparations
Parker Herbx Corporation Stamford

Hammers—Carpenters and Machinists
Capewell Manufacturing Company Hartford

Hand Tools
Billings and Spencer Company (wrenches sockets and shop tools) Hartford
Bridgeport Hardware Mfg Corp The (screw drivers, wrenches, nail pullers, box & crate openers, pliers, saws, trowels & special forgings) Bridgeport

Hardness Testers
Wilson Mechanical Instrument Div American Chain & Cable Company Inc Bridgeport

Hardware
Bassick Company The (Automotive) Bridgeport
City Lumber Co of Bridgeport Inc Bridgeport

Gordon Associates Derby
Harlock Products Corp New Haven
Sargent & Company New Haven
Wilcox Crittenden & Co Inc (marine heavy and industrial) Middletown
Yale & Towne Mfg Co The Stamford

Hardware—Marine & Bus
Rostand Mfg Co The Milford

Hardware—Trailer Cabinet
Excelsior Hardware Co The Stamford

Hardware, Trunk & Luggage
Corbin Cabinet Lock Div American Hardware Corp New Britain
J H Sessions & Son Bristol
Yale & Towne Mfg Co The Stamford

Hat Machinery
Doran Bros Inc Danbury

Health Surgical & Orthopedic Supports
Berger Brothers Company The (custom made for back, breast and abdomen) New Haven

Heat Elements
Electroflex Heat Inc Hartford
Safety Heat Elements Inc (woven wire resistance type) Middletown

Heat Exchangers
Whitlock Manufacturing Co The Hartford

Heat Treating
Bennett Metal Treating Co The Elmwood
1045 New Britain Ave Bridgeport
Commercial Metal Treating Co Bridgeport
New Britain-Gridley Machine Division The New Britain Machine Co New Britain
New Haven Heat Treating Co, Inc. New Haven
Skene Co Inc The William A (metals) Bridgeport

Stanley P Rockwell Co Inc The Hartford (Advt.)

IT'S MADE IN CONNECTICUT

Heat-Treating Equipment

Barnes Co The Wallace Div Associated Spring Corp Bristol
Bauer & Company Inc Hartford
Rolock Inc (Retorts, Muffles, etc.) Fairfield
Stanley P Rockwell Co Inc The (commercial) Hartford
296 Homestead Ave

Heat Treating Fixtures

Rolock Inc (Trays, Baskets, etc.) Fairfield
Wiretex Mfg Co Inc Bridgeport

Heat Treating Salts and Compounds

Mitchell-Bradford Chemical Co Milford

Heaters—Electric

General Electric Company Bridgeport

Heating and Cooling Coils

G & O Manufacturing Co New Haven

Heating Elements

Hartford Element Co Hartford

Heavy Chemicals

Naugatuck Chemical Division United States Rubber Co (sulphuric, nitric and muriatic acids and aniline oil)

Heavy Machinery

Smith & Winchester Mfg Co The South Windham

Hex-Socket Screws

Allen Manufacturing Company The Hartford
Bristol Company The Waterbury
Hartford Machine Screw Co Div of
Standard Screw Co Hartford
Holo-Krome Screw Corp The West Hartford

High Frequency Alternators

Electric Specialty Co Stamford

Highway Guard Rail Hardware

Malleable Iron Fittings Co Branford

Hinges

Homer D Bronson Company Beacon Falls

Hobs and Hobblings

ABA Tool & Die Co Manchester
Pratt & Whitney Co Inc (Die and Thread milling) West Hartford

Hoists and Trolleys

Union Mfg Company New Britain

Hose Fittings

Scovill Manufacturing Company Waterbury

Hose—Flexible Metallic

American Brass Co
American Metal Hose Branch Waterbury

Hose Supporter Trimmings

Hawle Mfg Co The (So-Lo Grip Tabs) Bridgeport

Hydraulic Brake Fluids

Eis Manufacturing Co Middletown

Hypodermic Needles

Roehr Products Company Waterbury

Impregnating

American Metaseal Inc (metal, wood, etc.) Hamden

Industrial Chrome Plating

Mirror Polishing & Buffing Co Waterbury

Industrial Displays

Sansone Co S Frederick (Designers Builders and Counselors) Short Beach

Industrial Finishes

Chemical Coatings Corporation Rocky Hill

Inks

Waterman Pen Company Inc Seymour

Insecticides

American Cyanamid Company Waterbury

Instalment Payment Books

Wassell Organization Inc Westport

Insulated Wire & Cable

General Electric Company (for residential commercial and industrial applications) Bridgeport

Kerite Company The Seymour

Insulated Wire & Cable Machinery

Davis Electric Company Wallingford

Instruments

Bristol Company The Waterbury
J-B-T Instruments Inc New Haven
Manning Maxwell & Moore Inc Stratford
Pratt & Whitney Co Inc (Precision Measuring) West Hartford

Integrators

Reflectone Corporation The Stamford

Interval Timers

Lux Clock Manufacturing Company Waterbury
Rhodes Inc M H Hartford

Jacquard

Case Brothers Inc Manchester

Japanning

H Sessions & Son Bristol

Jig Borer

Linley Brothers Company Bridgeport
Moore Special Tool Co (Moore) Bridgeport
Pratt & Whitney Co Inc West Hartford

Jigs, Fixtures & Gages

Federal Machine & Tool Co Bristol

Jig Grinder

Moore Special Tool Co (Moore) Bridgeport

Junior Automobiles

Power Car Company Mystic

Keller Machines

Pratt & Whitney Co Inc West Hartford

Key Blanks

Sargent & Company New Haven
Yale & Towne Mfg Co The Stamford

Labels

Naugatuck Chemical Division United States Rubber Co (for rubber articles) Naugatuck

Label Dispensers

Derby Sealers Inc (pressure-sensitive labels) Derby

Label Moisteners

Better Packages Inc ("Counterboy"—"Packer") Shelton

Derby Sealers Inc Derby

Laboratory Equipment

Eastern Industries Inc New Haven

Laboratory Supplies

Macalaster Bicknell Company New Haven

Laces

American Fabrics Company The Bridgeport
Wilcox Lace Corporation Middletown

Laces and Nettings

Wilcox Lace Corporation The Middletown

Lacquers & Synthetic Enamels

Chemical Coatings Corporation Rocky Hill
I-Sis Chemicals Inc Stamford

Ladders

A W Flint Co 196 Chapel St New Haven

Laminated Metal

Bridgeport Brass Company Bridgeport

Lamps

Plume & Atwood Mfg Co The (metal oil) Waterbury

Lampholders—Incandescent and Fluorescent

General Electric Company Bridgeport

Lamp Shades

Verplex Company The Essex

Lanterns—Battery Operated

Electrical Div Olin Mathieson Chemical Corp New Haven

Lathes—Hydra Feed

Bullard Co The (automatic tracer on multiple tool) Bridgeport

Lathes—Man-Au-Trol

Bullard Company The (single spindle-automatic) Bridgeport

Lathes—Multi-Au-Matic

Bullard Company The (vertical multi-spindle-indexing type) Bridgeport

Lathes—Toolroom and Automatic

Pratt & Whitney Co Inc West Hartford

Lathes—Vertical Turret

Bullard Company The (single spindle) Bridgeport

Lead Plating

Christie Plating Co The Groton

Leather

Norwich Leather Co Norwich
Herman Roser & Sons Inc (Genuine Pigskin) Glastonbury

Leather Dog Furnishings

Andrew B Hendryx Co The New Haven
The Smith-Worthington Saddlery Co Hartford

Leather Goods Trimmings

G E Prentice Mfg Co The Kensington

Leather, Mechanical

Auburn Manufacturing Company The (packings, cubs, washers, etc) Middletown

Letterheads

Lehman Brothers Inc (designers, engravers, lithographers) New Haven

Levels—Machinist's Precision

Bullard Company The Bridgeport

Lighting Accessories—Flourescent

General Electric Company Bridgeport

Lighting Equipment

Fullerton Manufacturing Corp Norwalk
Miller Co The (Miller, Ivanhoe) Meriden

Lime

New England Lime Company Canaan

Lipstick Cases

Scovill Manufacturing Company Waterbury

Lipstick Containers

Bridgeport Metal Goods Mfg Co Bridgeport
Plume & Atwood Manufacturing Co Waterbury

Lithographers

O'Toole & Sons Inc T Stamford

Lithographing

Kellogg & Bulkeley A Division of Connecticut Printers Inc
Lehman Brothers Inc Hartford
A D Steinbach & Sons New Haven

Locks—Banks

Yale & Towne Mfg Co The Stamford

Locks—Builders

Sargent & Company New Haven
Yale & Towne Mfg Co The Stamford

Locks—Cabinet

Excelsior Hardware Co The Stamford
Yale & Towne Mfg Co The Stamford

Locks—Special Purpose

Yale & Towne Mfg Co The Stamford

Locks—Suitcase and Trimmings

Excelsior Hardware Co The Stamford

Locks—Trunk

Excelsior Hardware Co The Stamford
Yale & Towne Mfg Co The Stamford

Locks—Zipper

Excelsior Hardware Co The Stamford

Loom—Non-Metallic

Wiremold Company The Hartford

Lubricating System—Mist

Thompson & Son Co The Henry G New Haven

Lumber & Millwork Products

City Lumber Co of Bridgeport Inc Bridgeport

Machetes

Collins Company The Collinsville

Machine Design

Black Rock Mfg Company The Bridgeport

Machine Overload Monitors

Sperry Products Inc Danbury

Machine Shop Fabrication

Smith & Winchester Mfg Co The South Windham
(Adv.)

I T ' S M A D E I N C O N N E C T I C U T

Machine Tools		Machines—Paper Ruling		Metal Formings	
Bullard Company The	Bridgeport	John McAdams & Sons Inc	Norwalk	Master Engineering Company	West Chesire
Farrel-Birmingham Company Inc	Ansonia			Stanley Pressed Metal	New Britain
Pratt & Whitney Co Inc	West Hartford	Machines—Precision Boring		Metallurgists	
Producto Machine Company The	Bridgeport	New Britain-Gridley Machine Division	New Britain	Bridgeport Testing Laboratory Inc	Bridgeport
		The New Britain Machine Co	New Britain	Metal Mouldings	
Machine Work		Machines—Rolling		Leed Co The H A	Hamden
Ranthin Engineering Co	Bridgeport	Fenn Manufacturing Company The	Newington	Metal Novelties	
Black Rock Mfg Company The	Bridgeport	Machines—Slotting		H C Cook Co The	32 Beaver St Ansonia
Farrel-Birmingham Company Inc	Ansonia	Waterbury Farrel Foundry & Machine Co The	Waterbury	Metal Products—Stampings	
Fenn Manufacturing Company The (precision parts)	Newington	(screw head)	Waterbury	American Brass Company The	Waterbury
Hartford Special Machinery Co The (contract work only)	Hartford	Machines—Spacing Table		Plume & Atwood Manufacturing Co	Thomaston
National Sheradizing & Machine Co (job)	Hartford	Bullard Company The	Bridgeport	Prentice Mfg Co The G E	Kensington
Parker-Hartford Corporation	Hartford	Machines—Special		I H Sessions & Son	Bristol
Swan Tool & Machine Co The	Hartford	Fenn Mfg Co The	Newington	Scovill Manufacturing Company	(Made-to-Order) Waterbury 91
Torrington Manufacturing Co The (special rolling mill machinery)	Torrington	Fuller Brush Co The	Hartford	Stanley Pressed Metal	New Britain
Machinery		Machines—Swaging		Metal Specialties	
Davis Electric Company (Wire and Cable)	Wallingford	Fenn Manufacturing Company The	Newington	Excelsior Hardware Co The	Stamford
Fenn Manufacturing Company The (special)	Newington	Machines—Thread Rolling		Metal Spinning	
Hallden Machine Company The (mill)	Thomaston	Hartford Special Machinery Co The	Hartford	Moseley Metal Crafts Inc	West Hartford
Torrington Manufacturing Co The (mill)	Torrington	Peterson Division, Mettler Machine Tool, Inc.	New Haven	Metal Stampings	
		Waterbury Farrel Foundry & Machine Co The	Waterbury	American Brass Company The	Waterbury
Machinery—Automatic		Machines—Turks Head		Better Formed Metals Inc	Waterbury
Banthin Engineering Company (new and rebuilt)	Bridgeport	Fenn Manufacturing Company The	Newington	DooVal Tool & Mfg Inc The	Naugatuck
Machinery—Bolt and Nut		Machines—Wire Drawing		Excelsior Hardware Co The	Stamford
Waterbury Farrel Foundry & Machine Co The	Waterbury	Fenn Manufacturing Company The	Newington	Greist Mfg Co The	503 Blake St New Haven
Machinery—Cold Heading		Machinery—Horizontal Boring		H C Cook Co The	32 Beaver St Ansonia
Waterbury Farrel Foundry & Machine Co The	Waterbury	Tucker Machine Co	New Haven	Stanley Humason Inc	Forestville
Machinery Dealers & Rebuilders		Manganese Bronze Ingot		Mohawk Mfg Co (threaded)	Middletown
Botwink Brothers	New Haven	Whipple and Choate Company	Bridgeport	J A Otterhein Company The (metal fabrications)	Middletown
I L Lucas and Son	Fairfield	Manicure Instruments		I H Sessions & Son	Bristol
State Machinery Co Inc	New Haven	W E Bassett Company The	Derby	Patent Button Co The	Waterbury
Machinery—Extruding		Marine Equipment		G E Prentice Mfg Co The	Kensington
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp	Mystic	Wilcox-Crittenden Div North & Judd Mfg Co	Middletown	Plume & Atwood Mfg Co The	Thomaston
Machinery—Metal-Working		Marine Reserve Gears		Saling Manufacturing Company	New Britain
Fenn Mfg Co The	Newington	Snow-Nalstedt Gear Corp The	New Haven	Stanley Pressed Metal	Hartford
Waterbury Farrel Foundry & Machine Co The	Waterbury	Marking Devices		Swan Tool & Machine Co The	Terryville
Pratt & Whitney Co Inc	West Hartford	Cooney Engraving Co	Branford	Terryville Manufacturing Co	Essex
Machinery—Nut		Hoggson & Pettis Mfg Co The	New Haven	Verplex Company The (Contract)	Milford
Waterbury Farrel Foundry & Machine Co The (forming and tapping)	Waterbury	Parker-Hartford Corporation (steel)	Hartford	Waterbury Lock & Specialty Co The	Milford
Machinery—Screw and Rivet		Marking Tools		Meters—Gas	
Waterbury Farrel Foundry & Machine Co The	Waterbury	Parker-Hartford Corporation	Hartford	Sprague Meter Company	Bridgeport
Machinery—Wire Drawing		Materials Handling		Meters—Parking	
Fenn Mfg Co The	Newington	Hayes-Te Equipment Corp Connecticut Conveyor Division (Conn-Veyor)	Unionville	Rhodes Inc M H	Hartford
Waterbury Farrel Foundry & Machine Co The	Waterbury	Parsons Co Inc W A (tote pans)	Durham	Microfilming	
Machinery—Wire Straightening		Mats—Newspaper		American Microfilming Service Co.	New Haven
Mettler Machine Tool Inc	New Haven	Lockwood Sons Inc Wm H	Hartford	Cine-Video Productions Inc	Milford
Machinery—Wire Straightening and Cutting		Mattresses		Milk Bottle Carriers	
Mettler Machine Tool, Inc.	New Haven	Waterbury Mattress Co	Waterbury	John P Smith Co The	423-33 Chapel St New Haven
Machines		Metal Boxes		Mill Machinery	
Campbell Machine Div American Chain & Cable Co Inc (cutting & nibbling)	Bridgeport	Parsons Co Inc W A (tool kits)	Durham	Torrington Manufacturing Company The	Torrington
Coulter & McKenzie Machine Co The (special, new development engineering design and construction)	Bridgeport	Metal Boxes and Displays		Milling Machines	
Patent Button Company The	Waterbury	Durham Mfg Co The (Designing & Mfg to customers' specifications)	Durham	Pratt & Whitney Co Inc (Keller Tracer—Controlled Milling Machines)	West Hartford
Machines Automatic		Merriam Mfg Co (Bond, Security, Cash, Utility, Personal Files, Drawer Safes, Custombuilt containers and displays)	Durham	Rowbottom Machine Company Inc (cam)	Waterbury
Globe Tapping Machine Co	Bridgeport	Middletown Mfg Co	Middletown	Mill Products	
Machines—Automatic Chucking		Metal Cleaners		Scovill Manufacturing Company (aluminum, brass, bronze, nickel silver—sheet, rod, wire, tube)	Waterbury
Bullard Company The	Bridgeport	Apothecaries Hall Company Division	Waterbury	Mill Supplies	
New Britain-Gridley Machine Division	New Britain	The Hubbard Hall Chemical Company	New Haven	Wilcox-Crittenden Div North & Judd Mfg Co	Middletown
The New Britain Machine Co (multiple spindle and double end)	New Britain	Enthone Inc	Waterbury	Millwork	
Pratt & Whitney Co Inc (Potter & Johnson)	West Hartford	MacDermid Incorporated	Waterbury	Hartford Builders Finish Co	Hartford
Machines—Brushing		Metal Displays		Miniature Precision Connectors	
Fuller Brush Co The	Hartford	Durham Mfg Co The	Durham	Gorn Electric Co	Stamford
Machines—Contn-U-Matic		Metal Finishes		Minute Minders	
Bullard Company The (vertical multi-spindle—continuous turning)	Bridgeport	Enthone Inc	New Haven	Lux Clock Mfg Co The	Waterbury
Machines—Draw Benches		Mitchell-Bradford Chemical Co	Milford	Mirror Rosettes and Hangers	
Fenn Manufacturing Company The	Newington	Metal Finishing		Waterbury Companies Inc	Waterbury
Machines—Forming		Hartford Industrial Finishing Co	Hartford	Mixers—Liquid	
Nilson Machine Company The A H (four-slide wire and ribbon stock)	Shelton	National Sheradizing & Machine Co	Hartford	Alsop Engineering Corporation	Milldale
		Waterbury Plating Company	Waterbury	Mixing Equipment	
				Eastern Industries Inc	New Haven
				Model Work	
				B & N Tool & Engineering Co (instruments and timing devices)	Thomaston
				Mops	
				Fuller Brush Co The	Hartford (Advt.)

I T ' S M A D E I N C O N N E C T I C U T

Motion Picture Equipment
Victor Animatograph Corp a div of Kalart
(16mm sound and silent projectors film
splicers and rewinders) Plainville

Motion Pictures
Cine-Video Productions Inc Millford

Motor Control Centers
Distribution Assemblies Department, General
Electric Co Plainville

Motor-Generator Sets
Electric Specialty Co Stamford

Motors-Electric Timing
Cramer Controls Corporation The Centerbrook

Motors-Synchronous
Cramer Controls Corporation The Centerbrook
Electric Specialty Co Stamford

Moulded Plastic Products
Butterfield Inc T F Naugatuck
Patent Button Co The Waterbury
Scott & Sons Mfg Co Geo. S. Wallingford
Waterbury Companies Inc Waterbury
Watertown Mfg Co The 117 Echo Lake Road
Watertown

Mouldings
Himmel Brothers Co The (architectural, metal
and store front) Hamden

Moulds
ABA Tool & Die Co Manchester
Hoggson & Pettis Mfg Co The (steel) 114
Brewery St New Haven

Name Plates
Cooney Engraving Co Branford
Seton Name Plate Co (metal & plastic name
plates and identification tags) New Haven

Napper Clothing
Standard Card Clothing Co The (for textile
mills) Stafford Springs

Nettings
Wilcox Lace Corp The Middletown

Newspaper Mats
Lockwood Sons Inc Wm H Hartford

Nickel Anodes
Apothecaries Hall Company Division
The Hubbard Hall Chemical Company Waterbury

Nickel Silver
American Brass Company The Waterbury
Bridgeport Brass Company Bridgeport
Plume & Atwood Mfg Co The Thomaston
Seymour Mfg Co The Seymour
Waterbury Rolling Mills Inc (sheets, strips,
rolls) Waterbury
Western Brass Mills Div Olin Mathieson Chem-
ical Corp (sheet, strip) New Haven

Nickel Silver Ingot
Whipple and Choate Company The Bridgeport

Night Latches
Sargent & Company New Haven
Yale & Towne Mfg Co Inc Stamford

Non-ferrous Metal Castings
Miller Company The Meriden

Nuts, Bolts and Washers
Clark Brothers Bolt Co Milldale
Hartford Machine Screw Co Div of
Standard Screw Co Hartford

Office Equipment
Pitney-Bowes Inc Stamford
Underwood Corporation Bridgeport & Hartford
Wassell Organization Inc Westport

Offset Printing
Kellogg & Bulkeley A Division of Connecticut
Printers Inc Hartford

Oil Burners
Miller Company The (domestic) Meriden
Peabody Engineering Corp (Mechanical and/or
Steam Atomizer) Stamford
Silent Glow Oil Burner Corp The Hartford

Oil Tanks
Norwalk Tank Co The (\$50 to 30M gals, under-
writers above and under ground) South Norwalk
Whitlock Manufacturing Co The Hartford

Oils-Cutting
Anderson Oil Co Inc F E Portland

Open Knife Switches and Accessories
Circuit Protective Devices Dept., General Elec-
tric Co Plainville

Optical Cores & Ingots
Plume & Atwood Mfg Co The Thomaston

Otis Woven Awning Stripes
The Falls Company Norwich

Ovens-Electric
Bauer & Company Inc Hartford

Packaging-Engineering
Commerce Packaging Corp Stamford
National Export Corp. (Military and Commer-
cial—equipped for domestic and export pack-
aging, canning, crating and shipping) New Haven

Packaging & Packing
Commerce Packaging Corp Stamford
Mercer & Stewart Co The Hartford

Packing
Auburn Manufacturing Company The (leather,
rubber, asbestos, fibre) Middletown
Raybestos Division of Raybestos-Manhattan Inc
(Asbestos and Rubber Sheet) Bridgeport

Padlocks
Sargent & Company New Haven
Waterbury Lock & Specialty Co The Milford
Yale & Towne Mfg Co Inc Stamford

Pads-Office
The Baker Goodyear Company Branford

Paints
Tredennick Paint Manufacturing Co The Meriden

Paints and Enamels
Staminate Corp The New Haven

Panelboards-Lighting and Distribution
Distribution Assemblies Department, General
Electric Co Plainville

Panelyte
Leed Co The H A Hamden

Pants
Moore Special Tool Co (crush wheel dresser)
Bridgeport

Paperboard
Continental Can Co., Boxboard and
Folding Carton Division Montville
Federal Paper Board Co Inc
New Haven Board & Carton Co The New Haven
Robertson Paper Box Co Montville
Versailles Montville

Paper Boxes
Atlantic Carton Corp (folding) Norwich
National Folding Box Co Div Federal Paper
Board Co Inc (folding) New Haven & Versailles
Mills Inc H J Bristol
New Haven Board & Carton Co The New Haven
Robertson Paper Box Co (folding) Montville

Paper Boxes-Folding and Setup
Bridgeport Paper Box Company Bridgeport
M Backers' Sons Inc Wallingford

Paper Clips
H C Cook Co The (steel) 32 Beaver St Ansonia

Paper Mill Machinery
Farrel-Birmingham Company Inc Ansonia

Paper Tubes and Cores
Sonoco Products Co (Climax-Lowell) Div
Mystic

Parallel Tubes
Sonoco Products Co (Climax-Lowell) Div
Mystic

Parking Meters
Rhodes Inc M H Hartford

Parts
Hartford Machine Screw Co Div of
Standard Screw Co Hartford
Scovill Manufacturing Company (ammunition,
electric instrument, electrical appliance,
fountain pen, instrument, lighting fixture,
ordnance, etc.—blanked, stamped, formed,
drawn, re-drawn, forged, screw machined,
headed, pointed, finished) Waterbury

Pattern-Makers
Farrel-Birmingham Company Inc Ansonia

Pattern Shop
Smith & Winchester Mfg Co The South Windham

Penlights
Bridgeport Metal Goods Mfg Co Bridgeport

Pet Furnishings
Andrew B Hendrix Co The New Haven

Phosphor Bronze
American Brass Company The Waterbury
Bridgeport Brass Company Bridgeport
Miller Company The (sheets, strips, rolls) Meriden

Seymour Mfg Co The Seymour
Waterbury Rolling Mills Inc (sheets, strips,
rolls) Waterbury
Western Brass Mills Div Olin Mathieson Chem-
ical Corp (sheets, strip) New Haven

Phosphor Bronze Ingots
Whipple and Choate Company The Bridgeport

Photo Engraving
Dowd Wyllie & Olson Inc Hartford
Wilcox Photo Engraving Co Inc New Haven

Photographic Equipment
Electrical Div Olin Mathieson Chemical Corp
Kalart Company Inc New Haven
Plainville

Piano Repairs
Pratt Read & Co Inc (keys and action) Ivoryton

Piano Supplies
Pratt Read & Co (keys and actions, backs,
plates) Ivoryton

Pins
CEM Company ("Spirol") Danielson
Hartford Machine Screw Co Div of
Standard Screw Co Hartford

Pin Up Lamps
Verplex Company The Essex

Pipe
American Brass Co The (brass and copper) Waterbury
Bridgeport Brass Co (brass and copper) Bridgeport
Chase Brass & Copper Co (red brass and copper) Waterbury
Howard Co (cement well and chimney) New Haven

Pipe Fittings
Malleable Iron Fittings Co Branford

Pipe Plugs
Hartford Machine Screw Co Div of
Standard Screw Co Hartford
Holo-Krome Screw Corporation The (counter-
sunk) West Hartford

Pipe Plugs-Socketed
Hartford Machine Screw Co Div of
Standard Screw Co Hartford
Holo-Krome Screw Corp The West Hartford

Pistols & Revolvers
Colt's Patent Fire Arms Mfg Co Inc Hartford

Plastic Coatings
Bischoff Chemical Corporation (Peelable Plastic
Coatings) Ivoryton

Plastic Bottles
Plax Corporation Bloomfield

Plastic Buttons
Frank Parizek Manufacturing Co The West Willington
Patent Button Co The Waterbury

Plastic Engraving
Salisbury Products Inc Lakeville

Plastic Extruders
Jessall Plastics, Inc. Kensington

Plastic Extruders
Jessall Plastics Inc Kensington

Plastic Fabrication
Humphrey Fabricating Corporation Unionville
Salisbury Products Inc Lakeville

Plastic Film & Sheet Materials
Gilman Brothers Co The Gilman
Plax Corporation Bloomfield

Plastic Lining Equipment
Comco Inc Div of Enthone Inc New Haven

Plastic Machinery
Black Rock Mfg Company The Bridgeport

Plastic Molders
Butter Molding Corporation Sandy Hook

Plastic Molding
Butterfield Inc T F Naugatuck
U S Plastic Molding Corporation Wallingford

Plastic-Moulders
Conn Plastics
Scott & Sons Mfg Co Geo. S. Waterbury
Waterbury Companies Inc Waterbury
Watertown Mfg Co The Watertown

Plastic Pipe and Fittings
Comco Inc Div of Enthone Inc New Haven

Plastic Printing Plates
Lockwood Sons Inc Wm H Hartford

Plastic Wire Coating Materials
Electronic Rubber Co Stamford

Plastics
B F Goodrich Sponge Products Division Shelton
Naugatuck Chemical Division United States
Rubber Co Naugatuck
(Adv.)

I T ' S M A D E I N C O N N E C T I C U T

Plastics Machinery		
Farrel-Birmingham Company Inc	Ansonia	
Plastics—Moulds & Dies		
Crown Tool & Die Co Inc	Bridgeport	
Plasticrete Bloc		
Plasticrete Corp	Hamden	
Platers		
Christie Plating Co	Groton	
Patent Button Co The	Waterbury	
Water Plating Company	Waterbury	
Chromium Process Company The	(Chromium Shelton)	
Platers' Equipment		
Apothecaries Hall Company	Waterbury	
Comco Inc Div of Enthone Inc	New Haven	
Lea Manufacturing Co The	Waterbury	
MacDermid Incorporated	Waterbury	
Platers Metal		
Plume & Atwood Mfg Co The	Thomaston	
Plating		
Christie Plating Co The (including lead plating)	Groton	
Giering Metal Finishing Inc	Hamden	
Superior Plating Co	Bridgeport	
Tec-Plate Inc	Windsor Locks	
Plating Processes and Supplies		
Enthone Inc	New Haven	
State Testing Laboratory Inc (plating analyses)	Bridgeport	
Plumbers' Brass Goods		
Bridgeport Brass Co	Bridgeport	
Keeney Mfg Co The (special bends)	Newington	
McGuire Mfg Co.	Waterbury	
Scovill Manufacturing Company	Waterbury 48	
Plumbing Specialties		
Risdon Manufacturing Co John M	Russell Div Naugatuck	
Pole Line Hardware		
Malleable Iron Fittings Co	Branford	
Police Equipment		
The Smith-Worthington Saddlery Co	Hartford	
Polishing		
Mirror Polishing & Buffing Co	Waterbury	
Postage Meters		
Pitney Bowes Inc	Stamford	
Potentiometers—Electronic		
Bristol Company The	Waterbury	
Precision Machine Tool Spindles		
Whitton Manufacturing Co (for milling, grinding, boring & drilling)	Farmington	
Precision Manufacturing		
Hartford Machine Screw Co Div of Standard Screw Co	Hartford	
Precision Revolving Machinery		
Whitton Manufacturing Co	Farmington	
Precision Sheet Metal Fabrication		
Milford Fabricating Co	Milford	
Precision Springs & Wire Forms		
Rowley Spring Co Inc The	Bristol	
Premium Specialties		
Waterbury Companies Inc	Waterbury	
Preservatives—Wood, Rope, Fabric		
Darworth Incorporated ("Cuprinol") ("Cellu-san")	Simsbury	
Pressboard		
Case & Riskey Press Paper Co (genuine)	Oneco	
Press Papers		
Case Brothers Inc	Manchester	
Presses		
Farrel-Birmingham Company Inc (Hydraulic)		
Presses—Power		
Pneumatic Applications Co The (modernization of presses through conversion to Wichita Air Clutch operation)	Simsbury	
Waterbury Farrel Foundry & Machine Co The	Waterbury	
Pressure Vessels		
Norwalk Tank Co Inc The (unfired to ASME Code Par U 69-70)	South Norwalk	
Whitlock Manufacturing Co The	Hartford	
Printing		
Allied Printing Services Inc	Manchester	
Bussmann Press Inc	New Haven	
Case Lockwood & Brainard A Division of Connecticut Printers Inc	Hartford	
Finlay Brothers	Hartford	
Hemjway Corporation The	Waterbury	
Hildreth Press	Bristol	
Hunter Press	Hartford	
Lehman Brothers Inc	New Haven	
Taylor & Greenough Co The	Wethersfield	
T B Simonds Inc	Hartford	
A D Steinbach & Sons	New Haven	
The Walker-Rackliff Company	New Haven	
Printing Machinery		
Banthin Engineering Co (automatic)	Bridgeport	
Printing Plates		
Lockwood Sons Inc Wm H	Hartford	
Printing Rollers		
Chambers-Storck Company Inc The (engraved)	Norwich	
Printing—Silk Screen		
Ad-Craft Displays, Inc.	Bloomfield	
Production Control Equipment		
Ripley Company Inc	Middletown	
Wassell Organization Inc	Westport	
Profilers		
Pratt & Whitney Co Inc	West Hartford	
Propellers—Aircraft		
Hamilton Standard Div United Aircraft Corp (propellers and other aircraft equipment)	Windsor Locks	
Protective Coatings		
Bischoff Chemical Corporation (Peelable Plastic Coatings)	Ivoryton	
Harrison Company The A S (Waxes)	South Norwalk	
Publishers		
O'Toole & Sons Inc The	Stamford	
Pumps		
Sumo Pumps Inc (Deep-well electro-submersible)	Stamford	
Yale & Towne Mfg Co The	Stamford	
Pumps—Small Industrial		
Eastern Industries Inc	New Haven	
Punches		
Hoggson & Pettis Mfg Co The (ticket & cloth)	New Haven	
141 Brewery St	New Haven	
Putty Softeners—Electrical		
Fletcher Terry Co The	Box 415 Forestville	
Pyrometers		
Bristol Co The (recording and controlling)	Waterbury	
Radiation—Finned Copper		
Bush Manufacturing Co	West Hartford	
G & O Manufacturing Company The	New Haven	
Vulcan Radiator Co The (steel and copper)	Hartford	
Radiators—Engine Cooling		
G & O Manufacturing Co	New Haven	
Ratchet Offset Screw Driver		
Chapman Co J W	Durham	
Rayon Staple Fiber		
Hartford Rayon Corp The	Rocky Hill	
Reamers		
Atrax Company The (solid carbide)	Newington	
Pratt & Whitney Co Inc (All types)	West Hartford	
Record Equipment		
Wassell Organization Inc (filing equipment)	Westport	
Recorders		
Bristol Co The (automatic controllers, temperature, pressure, flow, humidity)	Waterbury	
Reduction Gears		
Farrel-Birmingham Company Inc	Ansonia	
Snow-Nabstedt Gear Corp The	New Haven	
Refractories		
Howard Company	New Haven	
Mullite Works Refractories Div	H K Porter Shelton	
Refrigeration		
Dunham-Bush Inc	West Hartford	
Regulators		
Norwalk Valve Company (for gas and air)	South Norwalk	
Research & Development		
Raymond Engineering Laboratories (Electro-Mechanical)	Middletown	
State Testing Laboratory Inc (chemical/physical testing)	Bridgeport	
Resistance Wire		
C O Jelliff Mfg Co The (nickel chromium, copper nickel, iron chromium, aluminum)	Southport Stamford	
Respirators		
Kanthal Corporation The		
American Optical Company Safety Products Division	Putnam	
Retainers		
Hartford Steel Ball Co The (bicycle & automotive)	Hartford	
Rigid Plastic Sheet Material		
Gilman Brothers Company The	Gilman	
Riveting Machines		
Grant Mfg & Machine Co The	Bridgeport	
Limley Brothers Company	Bridgeport	
Ripley Company Inc	Middletown	
H P Townsend Manufacturing Co The	Elmwood	
Rivets		
Clark Brothers Bolt Co	Milldale	
Plume & Atwood Mfg Co The	Thomaston	
Raybestos Div of Raybestos-Manhattan Inc The (brass and aluminum tubular and solid copper)	Bridgeport	
Raybestos Div of Raybestos-Manhattan Inc The (iron)	Bridgeport	
Rods		
American Brass Company The (copper, brass, bronze)	Waterbury	
Bridgeport Brass Company	Bridgeport	
Bristol Brass Corp The (brass and bronze)	Bristol	
Scovill Manufacturing Company (aluminum, brass, bronze, etc.)	Waterbury	
Rollers—Bituminous Paving		
Gabb Special Products Div E Horton & Son Company	Windsor Locks	
Roller Skate Wheels		
Raybestos Division of Raybestos-Manhattan Inc	Bridgeport	
Roller Skates		
Arms and Ammunition Div Olin Mathieson Chemical Corp	New Haven	
Rolling Mills & Equipment		
Farrel-Birmingham Company Inc	Ansonia	
Fenn Mfg Co The	Newington	
Precision Methods & Machines Inc	Waterbury	
Waterbury Farrel Foundry & Machine Co The	Waterbury	
Rolls		
Farrel-Birmingham Company Inc (Chilled and Alloy Iron, Steel)	Ansonia	
Rotary Files		
Atrax Company The (carbide)	Newington	
Routers		
Atrax Company The (solid carbide)	Newington	
Rubber—Cellular		
B F Goodrich Sponge Products Division	Shelton	
Rubber Cutting Machinery		
Black Rock Mfg Company The	Bridgeport	
Rubber Chemicals		
Naugatuck Chemical Division United States Rubber Co	Naugatuck	
Stamford Rubber Supply Co The (Vulcanized Vegetable Oils)	Stamford	
Rubberized Fabrics		
Duro-Gloss Rubber Co The	New Haven	
Rubber Footwear		
Goodyear Rubber Co The	Middletown	
Rubber Gloves		
Seamless Rubber Company The	New Haven	
Rubber—Handmade Specialties		
Seamless Rubber Company The	New Haven	
Rubber Latex Compounds and Dispersions		
Naugatuck Chemical Division United States Rubber Co (coating, impregnating and adhesive compounds)	Naugatuck (Adv.)	

I T ' S M A D E I N C O N N E C T I C U T

Rubber Mill Machinery
Farrel-Birmingham Company Inc Ansonia

Rubber—Molded Specialties
Airex Rubber Prod Corp Portland
Bond Rubber Corporation Derby
Canfield Co The H O Bridgeport
Seamless Rubber Company The New Haven

Rubber Products
Airex Rubber Prod Corp Portland

Rubber Printing Plates
ADS Inc Div CSW Plastic Types Inc Hartford
Lockwood Sons Inc Wm H Hartford

Rubber Products—Mechanical
American Felt Co Glenville
Auburn Manufacturing Company The (washers, gaskets, molded parts) Middletown
Canfield Co The H O Bridgeport
Seamless Rubber Company The New Haven

Rubber—Reclaimed
Naugatuck Chemical Division United States Rubber Co Naugatuck

Rubbers
Naugatuck Chemical Div U S Rubber Co (synthetic rubbers and latex) Naugatuck

Rubbish Burners
John P Smith Co The New Haven

Rust Preventives
Anderson Oil Co Inc F E Portland
Enthone Inc New Haven

Rust Removers
Enthone Inc New Haven

Saddlery
The Smith-Worthington Saddlery Co Hartford

Safety Belts
Russell Mfg Co Middletown

Safety Clothing
American Optical Company Safety Products Division Putnam

Safety Fuses
Ensign-Bickford Co The (mining & detonating) Simsbury

Safety Gloves and Mittens
American Optical Company Safety Products Division Putnam

Safety Goggles
American Optical Company Safety Products Division Putnam

Safety Switches
Circuit Protective Devices Dept., General Electric Co. Plainville

Saw Blades—Hack
Capewell Mfg Co The Hartford
Thompson & Son Co The Henry G New Haven

Saw Blades—Hack & Band
Capewell Manufacturing Company Hartford

Saws, Band, Metal Cutting
Atlantic Saw Mfg Co New Haven
Capewell Manufacturing Co The Hartford
Thompson & Son Co The Henry G New Haven

Saws—Hole
Capewell Manufacturing Co The Hartford
Thompson & Son Co The Henry G New Haven

Scissors
Acme Shear Company The Bridgeport

Screens
Hartford Wire Works Co The (Windows, Doors and Porches) Hartford

Screw Caps
Weimann Bros Mfg Co The (small for bottles) Derby

Screw Machines
H P Townsend Mfg Company The Elmwood

Screw Machine Products
Accurate Screw Products Inc (B & S Swiss & Davenport) Southington
Apex Tool Co Inc The Bridgeport
Auto Electric Screw Machine Co Inc Bridgeport
Consolidated Industries West Cheshire
Eastern Machine Screw Corp The
Truman & Barclay Sls New Haven
Fairchild Screw Products Inc Winsted
Franklin Screw Machine Co The (up to 1½" capacity) Hartford
Garthwait Mfg Co A E (up to and incl ½") Waterbury
Greist Mfg Co The (up to 1½" capacity) New Haven
Hartford Machine Screw Co Div of Standard Screw Co (up to 5" capacity) Hartford
Horberg Grinding Industries Inc (heat treated and ground type only) 19 Staples Street Bridgeport

Screw Machine Products (Cont.)
Stanley Humason Inc Forestville
Independent Screw Machine Products (up to an incl 1½" capacity) Hartford
Junior Screw Machine Products Inc West Haven
Lowe Mfg Co The Wethersfield
Main Screw Machine Products (davenport & automatics exclusively) Waterbury
National Automatic Products Company The Berlin
Nelson's Screw Machine Products Plantsville
New Britain Machine Company The New Britain
New Haven Screw Machine Prods Inc (up to 1½" capacity) Milford
Newton Screw Machine Products Co Plainville
Olson Brothers Company (up to ¾" capacity) Plainville
Olson & Sons R P Southington
Plume & Atwood Mfg Co The Thomaston
Scovill Manufacturing Company Waterbury 91
United Screw Machine Co Thomaston
Waterbury Machine Tools & Products Co (Brown & Sharpe and Davenport) Waterbury

Screw Machine Tools
American Cam Company Inc (Circular Form Tools) Hartford
Pratt & Whitney Co Inc (Reamers, Taps, Dies, Blades and Knurls) West Hartford
Somma Tool Co (precision circular form tools) Waterbury

Screws
Allen Manufacturing Company The Hartford
American Screw Company Willimantic
Atlantic Screw Works (wood) Hartford
Bristol Company The (socket set and socket cap screws) Waterbury
Clark Brothers Bolt Co Milldale
Hartford Machine Screw Co Div of Standard Screw Co Hartford
Holo-Krome Screw Corporation The (socket set and socket cap) West Hartford
Scovill Manufacturing Company Waterbury 91
Superior Manufacturing Co The Winsted

Screws—Socket
Allen Manufacturing Company The Hartford
Bristol Co The Waterbury
Hartford Machine Screw Co Div of Standard Screw Co Hartford
Holo-Krome Screw Corp The West Hartford
Sealing Tape Machines
Better Packages Inc ("Counterboy," "Tape-shooter," "Big Inch") Shelton
Derby Sealers Inc (gummed and pressure-sensitive tapes) Derby

Seals
Russell Mfg Co (for oven doors and fire bulkheads) Middletown

Service Entrance Equipment
Circuit Protective Devices Dept., General Electric Co. Plainville

Sewing Machines
Greist Mfg Co The (Sewing Machine attachments) 303 Blake St New Haven
Singer Manufacturing Company The (industrial) Bridgeport

Sharpeners
Gorn Electric Co Inc (electric knife and scissors) Stamford

Shaving Soaps
J B Williams Co The Glastonbury

Shears
Acme Shear Co The (household) Bridgeport

Sheet Metal Products
American Brass Co The (brass and copper) Waterbury
Merriam Mfg Co (security boxes, fitted tool boxes, tackle boxes, displays) Durham
Parsons Co Inc W A (fabricators) Durham
Plume & Atwood Mfg Co The Thomaston
United Manufacturing Co Division of W L Maxson Corp Hamden

Sheet Metal Stampings
American Brass Company Waterbury
American Buckle Co The West Haven
DooVal Tool & Mfg Inc The Naugatuck
J H Sessions & Son Bristol
Scovill Manufacturing Company (aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys) Waterbury

Sheet Steel
Dolan Steel Company Inc Bridgeport

Shell Cores
Victors Brass Foundry Inc Guilford

Shell Molding
Victors Brass Foundry Inc Guilford

Shells
Scoville Manufacturing Company (aluminum, brass, bronze, copper, nickel silver—drawn, stamped—electric socket, screw) Waterbury
Wolcott Tool and Manufacturing Company Inc Waterbury

Showcase Lighting Equipment
Wiremold Company The Hartford

Signals
H C Cook Co The (for card files) Ansonia
32 Beaver St

Signs
Berger Sign Co (neon electric-porcelain enamel-stainless steel) Hartford
Ad-Craft Displays, Inc. (all types, quantity only) Bloomfield

Silk Screen Process Printing
Ad-Craft Displays, Inc. Bloomfield
Norton Co R H New Haven
Sirocco Screen prints New Haven
Stifel & Kulta Inc New Britain

Silk Screening on Metal
Ad-Craft Displays, Inc. Bloomfield
Merriam Mfg Co (Displays and Specialties, to order) Durham

Simulators
Reflectone Corporation The Stamford

Sintered Metal Products
Raybestos Division of Raybestos-Manhattan Inc Bridgeport

Sizing and Finishing Compounds
American Cyanamid Company Waterbury

Slide Fasteners
G E Prentice Mfg Co The Kensington
North & Judd Manufacturing Co New Britain
Scovill Manufacturing Company (GRIPPER zippers) Waterbury

Smoke Stacks
Bigelow Company The (steel) New Haven
Norwalk Tank Co The South Norwalk

Snap Fasteners
Scovill Manufacturing Company (GRIPPER snap fasteners) Waterbury

Soap
J B Williams Co The (industrial soaps, toilet soaps, shaving soaps) Glastonbury

Special Machinery
Banthin Engineering Company (complete and/or parts) Bridgeport
Black Rock Mfg Company The Bridgeport
Boesch Mfg Co Inc Danbury
Farrel-Birmingham Company Inc Ansonia
Federal Machine & Tool Co Bristol
Fenn Mfg Co The Newington
H P Townsend Mfg Company The Elmwood
National Sheradizing & Machine Co (mandrels & stock shells for rubber industry) Hartford
Swan Tool & Machine Co The Hartford
Tucker Machine Co New Haven

Special Parts
Fenn Mfg Co The Newington
Greist Mfg Co The (small machines, especially precision stampings) New Haven
J H Sessions & Son Bristol

Spinnings
Gray Manufacturing Company The Hartford

Spline Milling Machines
Townsend Mfg Co The H P Elmwood

Sponge Rubber
B F Goodrich Sponge Products Division Shelton

Spotwelding
Spotwelders Inc (aluminum, steel, magnesium, titanium & alloys) Stratford

Spray Painting Equipment and Supplies
Lea Manufacturing Co The Waterbury

Spring Coiling Machines
Torrington Manufacturing Co The Torrington

Spring Presses
Townsend Mfg Co The H P Elmwood

Spring Units
Owen Silent Spring Division American Chain & Cable Company Inc Bridgeport

Spring Washers
Barnes Co The Wallace Div Associated Spring Corp Bristol

Springs
Central Spring Co (Torsion and Double Torsion) Terryville

Springs—Coil & Flat
Barnes Co The Wallace Div Associated Spring Corp Bristol
Barrett Co William L Bristol
Bristol Spring Manufacturing Co Plainville
Foursome Manufacturing Co Bristol
Stanley Humason Inc Forestville
Newcomb Spring Corp The Southington
New England Spring Manufacturing Company Unionville
Peck Spring Co The Plainville

Springs—Flat
Barnes Co The Wallace Div Associated Spring Corp Bristol
Bristol Spring Manufacturing Co Plainville
Foursome Manufacturing Co Bristol
Stanley Humason Inc Forestville
Peck Spring Co Plainville (Advt.)

I T ' S M A D E I N C O N N E C T I C U T

Springs—Wire

Banner Spring Corporation Hartford
Barnes Co The Wallace Div Associated Spring Corp Bristol
Bernston Co J W Plainville
Bristol Spring Manufacturing Co Plainville
Colonial Spring Corporation The Hartford
Connecticut Spring Corporation The (compression, extension, torsion) Hartford
Foursome Manufacturing Co Bristol
Stanley Humason Inc Forestville
D R Templeman Co (coil and torsion) Plainville
Newcomb Spring Corp The Southington
Peck Spring Co Plainville

Springs, Wire & Flat

Peck Spring Co Plainville

Sprinklers

Scovill Manufacturing Company (GREEN SPOT) Waterbury

Stamped Metal Products

American Brass Company The Waterbury

Stampings

DooVal Tool & Mfg Inc The Naugatuck
Foursome Manufacturing Co Bristol
Plume & Atwood Mfg Co The (small) Thomaston
Scovill Manufacturing Company aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys—automotive, electrical, radio, etc.—deep drawn, enameled) Waterbury
Stanley Pressed Metal New Britain

Stampings—Small

Acme Shear Co The Bridgeport
Barnes Co The Wallace Div Associated Spring Corp Bristol
Barrett Co William L Bristol
Bristol Spring Manufacturing Co Plainville
Greist Manufacturing Co The New Haven
Stanley Humason Inc Forestville
Wire Form Inc Middale

Stamps

Hoggson & Pettis Mfg Co The (steel) 141 Brewery St New Haven
Parker-Hartford Corporation (steel) Hartford

Stationary Specialties

American Brass Company The Waterbury

Steel Castings

Hartford Electric Steel Corp The (carbon, low alloy and stainless steel castings) Hartford
Malleable Iron Fittings Co Branford
Nutmeg Crucible Steel Co Branford

Steel—Cold Rolled Spring

Barnes Co The Wallace Div Associated Spring Corp Bristol
Detroit Steel Corporation Hamden

Steel—Cold Rolled Stainless

Ulbrich Stainless Steels Wallingford
Wallingford Steel Company Wallingford

Steel—Cold Rolled Strip

Detroit Steel Corporation Hamden
Stanley Works The New Britain

Steel—Cold Rolled Strip and Sheets

Detroit Steel Corporation New Haven
Wallingford Steel Company Wallingford

Steel Goods

Merriam Mfg Co (sheets products to order)

Steel—Ground Flat Stock

Thompson & Son Co The Henry G New Haven

Steel Rolling Rules

Waterbury Lock & Specialty Co The Milford

Steel Stamps

Cooney Engraving Co Branford

Steel Strapping

Stanley Works The New Britain

Stereotypes

New Haven Electrotyping Div Electrographic Corp New Haven

Stop Clocks, Electric

H C Thompson Clock Co The Bristol

Storage Batteries

R A E Storage Battery Mfg Co Glastonbury

Straps, Leather

Auburn Manufacturing Company The (textile, industrial, skate, carriage) Middletown

Strip Steel

Dolan Steel Company Inc Bridgeport

Structural Mouldings

Leed Co The H A Hamden

Studio Couches

Waterbury Mattress Co Waterbury

Super Refractories

Mullite Works Refractories Div H K Porter Co Inc Shelton

Surface Metal Raceway & Fittings

Wiremold Company The Hartford

Surgical Dressings

Acme Cotton Products Co Inc East Killingly
Seamless Rubber Company The New Haven

Surgical Rubber Goods

Seamless Rubber Company The New Haven

Swaging Machinery

Fenn Mfg Co The Newington

Switchboards

Distribution Assemblies Department, General Electric Co Plainville

Switchboards Wire and Cables

Rockbestos Products Corp (asbestos insulated) New Haven

Switches—Electric

General Electric Company Bridgeport

Synthetic Fabrics

American Felt Co Glenville

Tabulating Equipment—Manual

Denominator Company Inc Woodbury
Veeder-Root Incorporated Hartford

Tanks

Acme Welding Div United Tool & Die Co West Hartford
Bigelow Company The (steel) New Haven
Comco Inc Div of Enthone Inc (steel, alloy and lined) New Haven
Connecticut Welders Inc (steel, alloy & lined) Wallingford
Norwalk Tank Co The South Norwalk
Rolock Inc (Alloy) Fairfield
Storts Welding Company (steel and alloy) Meriden

Tanks—Stainless Steel

Alsop Engineering Corporation Milldale

Tap Extractors

Walton Company The West Hartford

Tape

Russell Mfg Co (Glass Electrical Insulating Tapes, Glass Fabrics for Plastic Moulding) Middletown

Tapes—Industrial Pressure Sensitive

Seamless Rubber Company The New Haven

Tape Machines

Better Packages Inc (Manual and electric models for case taping) Shelton
Derby Sealers Inc (manual and electric models) Derby

Taps

Hanson-Whitney Company The Hartford
Pratt & Whitney Co Inc West Hartford

Tarred Lines

Brownell & Co Inc Moodus

Telemetering Instruments

Bristol Co The Waterbury

Television—Radio

Junior Screw Machine Products Inc West Haven

Testers—Insulation

McNeal J D New Haven

Testers—Insulation Wire & Cable

Davis Electric Company Wallingford

Testers—Nondestructive, Ultrasonic

Sperry Products Inc Danbury

Testing

State Testing Laboratory Inc (environmental, X-ray, tensile, bearings) Bridgeport

Textile Printing Gums

Polymer Industries Inc Springdale

Textile Processors

Amerbelle Corporation Rockville

Thermometers

Bristol Co The (recording and automatic control) Waterbury
Manning Maxwell & Moore Inc Stratford

Thin Gauge Metals

Plume & Atwood Mfg Co The Thomaston
Thinsheet Metals Co The (plain or tinned in rolls) Waterbury

Thread

American Thread Co The Willimantic
Belding Heminway Corticelli Putnam
Max Pollack & Co Inc Groton and Willimantic

Thread Chasers

Geometric Tool Division, Greenfield Tap & Die Corp New Haven

Thread Gages

Hanson-Whitney Company The Hartford
Pratt & Whitney Co Inc West Hartford

Thread Milling Machines

Hanson-Whitney Company The Hartford
Pratt & Whitney Co Inc West Hartford

Thread Rolling

Bland Burner Co The Thread Products Div Hartford

Thread Rolling Machinery

Hartford Special Machinery Co The Hartford
Mettler Machine Tool, Inc. New Haven

Threading Machines

Grant Mfg & Machine Co The (double end automatic) Bridgeport

Timers, Interval

A W Hayden Co The Waterbury
H C Thompson Clock Co The Bristol
Cramer Controls Corporation The Centerbrook
Rhodes Inc M H Hartford

Timing Devices

B & N Tool & Engineering Co (development and model work) Thomaston
Cramer Controls Corporation The Centerbrook
A W Hayden Co The Waterbury
Lux Clock Manufacturing Company Waterbury
Rhodes Inc M H Hartford
Seth Thomas Clocks Thomaston
United States Time Corporation The Waterbury

Timing Devices & Time Switches

A W Hayden Co The Waterbury
Lux Clock Manufacturing Company Waterbury
M H Rhodes Inc Hartford

Tinning

Thinsheet Metals Co The (non-ferrous metals in rolls) Waterbury
Wilcox-Crittenden Div North & Judd Mfg Co Middletown

Tires

Armstrong Rubber Company The West Haven

Tokens

Scovill Manufacturing Company (bus, street car and subway fare) Waterbury

Tool Bits

Thompson & Son Co The Henry G New Haven

Tool Chests

Vanderman Manufacturing Co The Willimantic

Tool Hardening

Commercial Metal Treating Co Bridgeport

Tools

B & N Tool & Engineering Co (dies, jigs, fixtures, sub-press and progressive) Thomaston
Hoggson & Pettis Mfg Co The (rubber workers) 141 Brewery St New Haven

Tools & Dies

Metropolitan Tool & Die Hartford
Moore Special Tool Co Bridgeport
Swan Tool & Machine Co The Hartford

Tools, Dies & Fixtures

Greist Mfg Co The New Haven

Tools, Dies, Jigs & Fixtures

Lyons Tool & Die (modelwork, jig boring) Meriden
Otterbein Co J A Middletown
Telke Tool & Die Mfg Co New Britain

Tools, Fixtures, Gauges

Fredericks Tool Co J F West Hartford

Toroidal Winding Machines

Boesch Mfg Co Inc Danbury

Totalizers

Reflectone Corporation The Stamford

Toys

Geo S Scott Mfg Co The Wallingford
Gilbert Co The A C New Haven
N N Hill Brass Co The East Hampton
Waterbury Companies Inc Waterbury

Transformers

Monarch Electric Co (Allis Chalmers) New Britain

Trucks—Commercial

Metropolitan Body Company (International Harvester truck chassis and "Metro" bodies) Bridgeport

Truck—Lift

Excelsior Hardware Co The Stamford

Trucks—Skid Platforms

Excelsior Hardware Co The (lift) Stamford

Tube Clips

H C Cook Co The (for collapsible tubes) 32 Beaver St Ansonia
Weimann Bros Mfg Co The (for collapsible tubes) Derby

Tube Fittings

Scovill Manufacturing Company (UNIFLARE flared tube and LOXIT compression tube) Waterbury

Tubers

Standard Machinery and Davis-Standard Divisions of Franklin Research Corp Mystic (Advt.)

I T ' S M A D E I N C O N N E C T I C U T

Tubes—Collapsible Metal
Sheffield Tube Corp The New London

Tubing
American Brass Co The (brass and copper) Waterbury
Bridgeport Brass Company (brass and copper) Bridgeport
G & O Manufacturing Co (finned) New Haven
Scovill Manufacturing Company (Brass and Copper) Waterbury 91
Wallingford Steel Co The (stainless and super metals) Wallingford

Tubing—Flexible Metallic
American Brass Co Metal Hose Waterbury Branch

Tubing—Heat Exchanger
American Brass Company The Waterbury
Scovill Manufacturing Company Waterbury 91

Tumbling Barrels and Accessories
Wheeler Co G. E. New Haven

Tumbling Equipment & Supplies
Esbec Barrel Finishing Corp Byram

Tumbling Service
Esbec Barrel Finishing Corp Meriden

Turntables
Macton Machinery Company Inc (industrial & display) Stamford

Typewriters
Royal McBee Corp Hartford
Underwood Corporation Hartford

Typewriters—Portable
Royal McBee Corp Hartford
Underwood Corporation Hartford

Typewriter Ribbons and Supplies
Royal McBee Corp Hartford
Underwood Corporation Hartford and Bridgeport

Ultrasonic Processing Equipment
General Ultrasonics Co The Hartford

Underclearer Rolls
Sonoco Products Co (Climax-Lowell Div) Mystic

V-Belt Drives
Monarch Electric Co (Allis Chalmers) New Britain

Vacuum Bottles and Containers
American Thermos Products Co Norwich

Vacuum Cleaners
Electrolux Corporation Old Greenwich
Spencer Turbine Co The Hartford

Valves—Automobile Tire
Bridgeport Brass Company Bridgeport

Valves
Norwalk Valve Company (sensitive check valves) South Norwalk

Valves—Aircraft
Bridgeport Thermostat Div Robertshaw—Fulton Controls Co Milford

Valves—Radiator Air
Bridgeport Brass Company Bridgeport

Valves—Relief & Control
Beaton & Caldwell Mfg Co New Britain

Valves—Safety & Relief
Manning Maxwell & Moore Inc Stratford

Vanity Boxes
Bridgeport Metal Goods Mfg Co Bridgeport
Plume & Atwood Manufacturing Co Thomaston

Varnishes
Scovill Manufacturing Company Waterbury

Varnishes
Staminit Corp The New Haven

Velvets
American Velvet Co (owned and operated by A Wimpfheimer & Bros Inc) Stonington
Leiss Velvet Mfg Co Inc The Willimantic

Venetian Blinds
Findell Manufacturing Company Manchester
Jennings Company The S Barry New Haven

Ventilating Systems
Colonial Blower Company Plainville

Vertical Shapers
Pratt & Whitney Co Inc West Hartford

Vibrators—Pneumatic
Branford Co The (industrial) New Haven

Vinyl Extrusion & Moulding Compounds
Electronic Rubber Co Stamford

Vises
Fenn Manufacturing Company The (Quick-Action Vises) Newington
Vanderman Manufacturing Co The (Combination Bench Pipe) Willimantic

Wall Paper
Stamford Wall Paper Co Inc Stamford

Washers
American Felt Co (felt) Glenville
Auburn Manufacturing Company The (all materials) Middletown
Clark Brothers Bolt Co Milldale
Humphrey Fabricating Corp Unionville
Plume & Atwood Mfg Co The (brass & copper) Thomaston
I H Rosenbeck Inc Torrington
Saling Manufacturing Company (made to order) Unionville

Washers—Felt
American Felt Co Glenville
Chas W House & Sons Inc (Mills & Cutting Plant) Unionville

Watches
E Ingraham Co The Bristol
United States Time Corporation The Waterbury

Water Delonizers
Penfield Mfg Co Meriden

Water Heaters
Whitlock Manufacturing Co The (instantaneous & Storage) Hartford

Water Heaters—Electric
Bauer & Company Inc Hartford

Water Heaters—Gas or Kerosene
Holyoke Heater Corp of Conn Inc Hartford

Waxes
Harrison Company The A S (and other protective coatings) South Norwalk

Waxes—Floor
Fuller Brush Co The Hartford

Webbing
Russell Mfg Co (Webbing for Safety Seat Belts—all types of webbing) Middletown

Wedges
Saling Manufacturing Company (hammer & axe) Unionville

Welded Products
Acme Welding Div United Tool & Die Co West Hartford

Welding
Aircraft Welding & Mfg Co Inc (aluminum, stainless steel, magnesium) Hartford
Connecticut Welders Inc (fabrication & repairs) Wallingford

Farrel-Birmingham Company Inc Ansonia
G E Wheeler Company (Fabrication of Steel & Non-Ferrous Metals) New Haven
Industrial Welding Company (Equipment Manufacturers—Steel Fabricators) Hartford

Welding—Lead
Connecticut Welders Inc (tanks & coils) Wallingford

Storts Welding Company (tanks and fabrication) Meriden

Welding Rods
American Brass Company The Waterbury
Bridgeport Brass Company Bridgeport
Bristol Brass Co The (brass & bronze) Bristol

Wells
Church Co The Stephen B Seymour

Wicks
American Felt Co Glenville
Auburn Manufacturing Company The (felt, asbestos) Middletown
Holyoke Heater Corp of Conn Inc Hartford

Wiffle Ball Inc The New Haven

Window & Door Guards
Hartford Wire Works Co The Hartford
Smith Co The John P New Haven

Wire
American Brass Company The Waterbury
Atlantic Wire Co The (steel) Branford
Bartlett Hair Spring Wire Co The North Haven

Bridgeport Brass Company (brass and silicon bronze) Bridgeport
Bristol Brass Corp The (brass & bronze) Bristol
Driscoll Wire Co The (steel) Shelton
Hudson Wire Co Winsted Div (insulated & enameled magnet) Winsted

Platt Bros & Co The (zinc wire) Waterbury
P O Box 1030
Plume & Atwood Mfg Co The (brass, bronze, nickel silver) Thomaston
Scovill Manufacturing Company (Brass, Bronze and Nickel Silver) Waterbury 91

Wire and Cable
Continental Wire Corp (for industrial and military applications) Wallingford
General Electric Company (for residential, commercial and industrial applications) Bridgeport

Rockbestos Products Corporation (all asbestos, mining, shipboard and appliance applications) New Haven

Wire Arches & Trellises
Hartford Wire Works Co The Hartford
John P Smith Co The New Haven
423-33 Chapel St

Wire Baskets
Wiretex Mfg Inc (Industrial, for acid, heat, treating and degreasing) Bridgeport

Wire Cloth
Hartford Wire Works Co The Hartford
C O Jelliff Mfg Co The (all metal, all meshes) Southport

Pequot Wire Cloth Co Inc Fairfield
Rolock Inc (Alloy) New Haven
Smith Co The John P

Wire Dipping Baskets
Hartford Wire Works Co The Hartford
John P Smith Co The New Haven
423-33 Chapel St

Wire Drawing Dies
Waterbury Wire Die Co The Waterbury

Wire Forming Machinery
Nilson Machine Company The A H Shelton
Torrington Manufacturing Company The Torrington

Wire Formings
G E Prentice Mfg Co The Kennington
Master Engineering Company West Cheshire
North & Judd Manufacturing Co New Britain

Peck Spring Co Plainville
Turner & Seymour Manufacturing Co The Torrington
Verplex Company The Essex

Wire Forms
Banner Spring Corporation Hartford
Barnes Co The Wallace Div Associated Spring Corp Bristol

Bristol Spring Manufacturing Co Plainville
Central Spring Co (short run orders)

Colonial Spring Corporation The Torrington
Connecticut Spring Corporation The Hartford
Foursome Manufacturing Co Bristol
Gemco Manufacturing Co Inc Southington

Stanley Humason Inc Forestville
New England Spring Mfg Co Unionville
Peck Spring Co Plainville
Templeman Co D R Plainville

Terryville Manufacturing Co Terryville
Wire Form Inc Milldale

Wire Goods
American Buckle Co The (overall trimmings) West Haven
Patent Button Co The Waterbury
Scovill Manufacturing Company (To Order) Waterbury 91

Wire Partitions
Hartford Wire Works Co The Hartford
John P Smith Co The New Haven
423-33 Chapel St

Wire Products
Stanley Humason Inc Forestville
Peck Spring Co Plainville
Plume & Atwood Mfg Co The (to order) Thomaston

Wire Reels
Mettler Machine Tool, Inc. New Haven
Nilson Machine Company The A H Shelton

Wire Rings
American Buckle Co The (pan handles and tinners' trimmings) West Haven
Stanley Humason Inc Forestville
Peck Spring Co Plainville
Templeman Co D R Plainville

Wire—Specialties
Andrew B Hendryx Co The New Haven

Wire Straightening and Cutting Machinery
Mettler Machine Tool, Inc. New Haven

Wiring Devices
Harvey Hubbell Inc Bridgeport

Wood Scrapers
Fletcher-Terry Co The Forestville

Woodwork
C H Dresser & Sons Inc (Mfg all kinds of woodwork) Hartford
Hartford Builders Finish Co Hartford

Woven Felts—Wool
Chas W House & Sons Inc (Mills & Cutting Plant) Unionville

Yarns
Aldon Spinning Mills Corporation The (fine-woolen and specialty) Talcottville
Ensign-Bickford Co The (jute-carpet) Simsbury
Hartford Spinning Incorporated (Woolen, knitting and weaving yarns) Unionville

Zinc
Platt Bros & Co The (ribbon, strip and wire) Waterbury
P O Box 1030

Zinc Castings
Newton-New Haven Co Inc 688 Third Ave West Haven

Zinc Die Castings
Mt Vernon Die Casting Corporation Stamford (Adv't.)

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MANUFACTURING
COMPANY**

263 Bartholomew Avenue
Hartford, Conn.
Phone Jackson 5-3491

Accounting Hints

(Continued from page 37)

partmental setup of production activity. A reasonable level of activity must be determined together with reasonable overhead costs for various levels of production. The rate can then be determined by dividing total units of activity into the estimated overhead cost.

Material, labor, and overhead in a job-order plant can be accumulated on job sheets for each particular job. In a process plant, total manufacturing costs can be accumulated, and unit cost can be determined by dividing total units produced into the total manufacturing cost.

The small manufacturer can gain much by even keeping the simplest cost accounting records. Not only does it place him in a position to know unit costs, but it can also give him greater control of all items going into cost.

Business Pattern

(Continued from page 39)

their spending during each quarter of 1958 and will show only a 1% drop from last year. It is estimated, however, that the total for all industries will have fallen 16% from last year's record \$37 billion.

Business Firms

During the 3rd quarter of 1958, new incorporations in this State numbered 530, holding approximately level with the previous quarter. For the year to date, the number of new firms are about 3% ahead of the corresponding period of last year.

Business failures, which moved above 200 a quarter in the recession, fell below this figure for the first time in a year. In the first half of 1958, the failure rate was 48% above last year, but dropped in the 3rd quarter to 9%.

Personal Income

Last month we reported on per capita personal income for 1957 for Connecticut.

Every major source of income in the State showed improvement over 1956 figures. The total income of \$6.4 billion was 6% higher than in 1956. The growth for the U.S. was slightly more than 5% for the same period.

Wages and salaries make up more than two thirds of total personal income in the State. The 5½% rise which occurred in 1957 was considerably less than in the preceding year and was due to the beginning recession and resulting unemployment.

Other labor income, with a 13% rise, illustrates the increasing importance of such items as employer contributions to private pension and wel-

fare funds; pay of military reservists; and compensation for injuries.

Significant also was the gain in transfer payments which include unemployment and direct relief benefits, and government pensions; less personal contributions for social insurance. Unemployment was a major cause of the rise.

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NOW you can count on Chase for ALUMINUM

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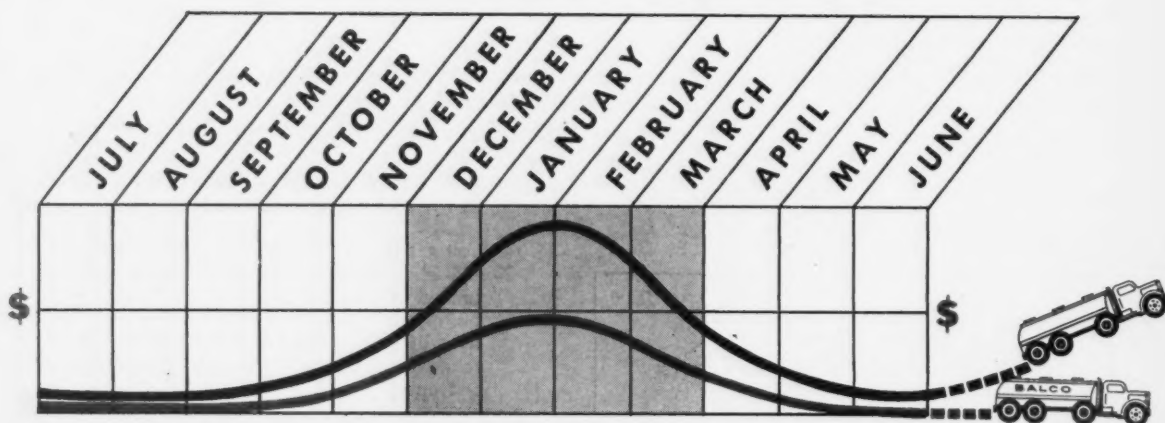
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